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ESTABLISHED 1850

LIVINGSTON'S

"Famous for Tomatoes"

SEED ANNUAL 1923

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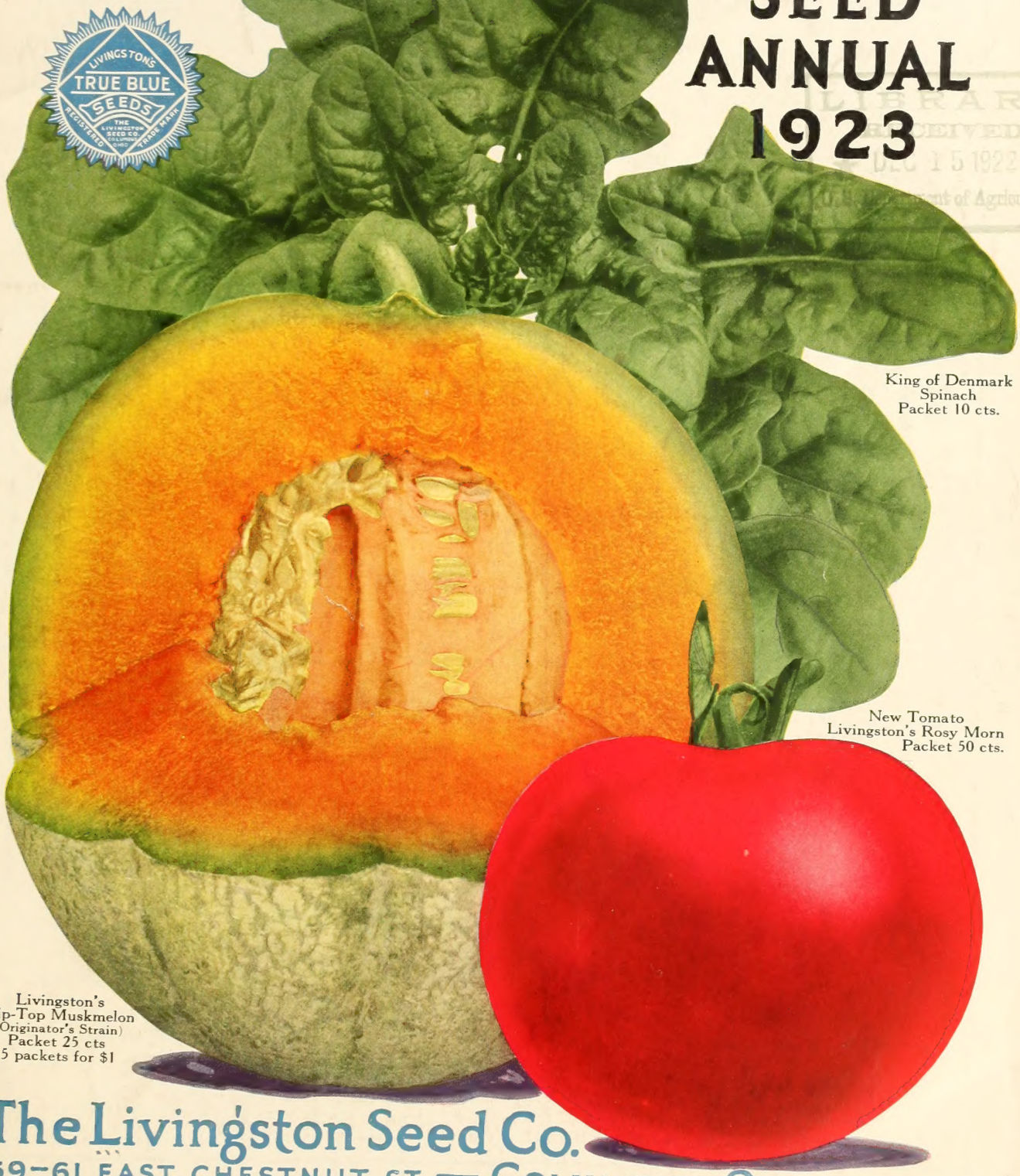


King of Denmark
Spinach
Packet 10 cts.

New Tomato
Livingston's Rosy Morn
Packet 50 cts.

Livingston's
Tip-Top Muskmelon
(Originator's Strain)
Packet 25 cts
5 packets for $1

The Livingston Seed Co.

59–61 EAST CHESTNUT ST.,— COLUMBUS, OHIO

$1.00 Postpaid | Our Great Dollar Collection of "True Blue" Vegetable Seeds | $1.00 Postpaid

EVERY sort included represents the best of its class. The demand for this collection started years ago when we would get orders from people for a dollar's worth of vegetable seeds—"the best we could do." Many are not familiar with the merits of the different sorts offered in this catalogue and for those we get up this collection the best we know how.

From year to year we change it. Obsolete sorts are dropped, new varieties of better character added, and we firmly believe that a better collection than ours cannot be bought at so low a price anywhere in this country.

For many years this collection has been considered the biggest dollar's worth of really good seeds offered.

The reason we sell this collection at such a low price is because we can put up hundreds of them before the spring rush starts, so that, when the order comes, all that needs to be done is to wrap the box, affix stamps, and out it goes—always the same day we get the order. No changes can be allowed. This popular-priced collection also gives new customers an opportunity to try a large assortment of "True Blue" seeds at a moderate cost. We consider each collection sold a good investment, which, in time, will bring us increased business.

Here is What One Dollar Will Buy

1. **Beans, Bountiful.** Green pod; dwarf.
2. **Beans, Sure Crop.** Yellow pod; dwarf.
3. **Beet, Detroit Dark Red.** Early; round.
4. **Beet, Edmand's Blood Turnip.** Main crop.
5. **Cabbage, Glory of Enkhuisen.** Round; early.
6. **Cabbage, Succession.** Solid; tender.
7. **Carrot, Danvers.** Fine quality.
8. **Cucumber, Earliest of All.** Good slicer.
9. **Cucumber, Livingston's Evergreen.** Fine for pickles.
10. **Corn, Aristocrat.** Early and sweet.
11. **Corn, Evergreen.** Large; good quality.
12. **Kale, Siberian.** Fine for greens.
13. **Lettuce, Big Boston.** Good heading sort.
14. **Lettuce, Curled Simpson.** Early leaf sort.
15. **Muskmelon, Greeley Wonder.** Large; early.
16. **Onion, Yellow Globe.** Large; good keeper.
17. **Parsnip, Hollow Crown.** Sweet as sugar.
18. **Parsley, Double Curled.** Very fine.
19. **Pepper, Ruby King.** Mild; fleshy.
20. **Radish, Fireball.** Early; round.
21. **Radish, Cincinnati Market.** Long; red.
22. **Salsify, Mammoth Sandwich Island.** Fine.
23. **Spinach, Victoria.** Early; tender.
24. **Tomato, Livingston's Beauty.** Pink; smooth.
25. **Turnip, Purple-Top White Globe.** Fine sort.

50c. Postpaid | Our Great Half-Dollar Collection of "True Blue" Vegetable Seeds | 50c. Postpaid

Here is What Fifty Cents Will Buy

1. **Beans, Stringless Green-Pod.** Dwarf; fine.
2. **Beet, Detroit Dark Red.** Early; round.
3. **Cabbage, Large Wakefield.** Early; pointed head.
4. **Carrot, Danvers.** Fine quality.
5. **Corn, Livingston's Early Sugar.** Fine quality.
6. **Cucumber, Early White Spine.** Good slicer.
7. **Lettuce, Big Boston.** Good heading sort.
8. **Parsley, Double Curled.** Very fine.
9. **Radish, Fireball.** Early; round.
10. **Spinach, Victoria.** Early; tender.
11. **Tomato, Chalk's Early Jewel.** Red; smooth.
12. **Turnip, Purple-Top White Globe.** Fine sort.

With each collection we enclose a helpful leaflet of cultural directions, "The Vegetable Garden."

About Parcel Post

We give below a Parcel Post rate table for the convenience of those wishing goods sent by mail in larger quantities than are quoted "postpaid" herein. Bear in mind, however, that we pay the postage or express charges, unless otherwise noted, on all seeds up to and including pounds (Beans, Corn and Peas, two pounds). The price on other items does not include prepayment of this charge except as noted.

Local zone ..... **Columbus and its rural routes**
First zone ..... **Not over 50 miles from Columbus**
Second zone ..... **51 to 150 miles from Columbus**
Third zone ..... **151 to 300 miles from Columbus**
Fourth zone ..... **301 to 600 miles from Columbus**
Fifth zone ..... **601 to 1,000 miles from Columbus**
Sixth zone ..... **1,001 to 1,400 miles from Columbus**
Seventh zone ..... **1,401 to 1,800 miles from Columbus**
Eighth zone ..... **Over 1,800 miles from Columbus**

POSTAGE REQUIRED	Local Zone	First Zone	Second Zone	Third Zone	Fourth Zone	Fifth Zone	Sixth Zone	Seventh Zone	Eighth Zone
Over 8 oz. up to 1 lb.	$0 05	$0 05	$0 05	$0 06	$0 07	$0 08	$0 09	$0 11	$0 12
Over 1 lb. up to 2 lbs.	06	06	06	08	11	14	17	21	24
Over 2 lbs. up to 3 lbs.	06	07	07	10	15	20	25	31	36
Over 3 lbs. up to 4 lbs.	07	08	08	12	19	26	33	41	48
Over 4 lbs. up to 5 lbs.	07	09	09	14	23	32	41	51	60
Over 5 lbs. up to 6 lbs.	08	10	10	16	27	38	49	61	72
Over 6 lbs. up to 7 lbs.	08	11	11	18	31	44	57	71	84
Over 7 lbs. up to 8 lbs.	09	12	12	20	35	50	65	81	96
Over 8 lbs. up to 9 lbs.	09	13	13	22	39	56	73	91	1 08
Over 9 lbs. up to 10 lbs.	10	14	14	24	43	62	81	1 01	1 20
Over 10 lbs. up to 11 lbs.	10	15	15	26	47	68	89	1 11	1 32
Over 11 lbs. up to 12 lbs.	11	16	16	28	51	74	97	1 21	1 44
Over 12 lbs. up to 13 lbs.	11	17	17	30	55	80	1 05	1 31	1 56
Over 13 lbs. up to 14 lbs.	12	18	18	32	59	86	1 13	1 41	1 68
Over 14 lbs. up to 15 lbs.	12	19	19	34	63	92	1 21	1 51	1 80
Over 15 lbs. up to 16 lbs.	13	20	20	36	67	98	1 29	1 61	1 92
Over 16 lbs. up to 17 lbs.	13	21	21	38	71	1 04	1 37	1 71	2 04
Over 17 lbs. up to 18 lbs.	14	22	22	40	75	1 10	1 45	1 81	2 16
Over 18 lbs. up to 19 lbs.	14	23	23	42	79	1 16	1 53	1 91	2 28
Over 19 lbs. up to 20 lbs.	15	24	24	44	83	1 22	1 61	2 01	2 40

The rate for Seeds, Bulbs, Plants, and Books is 1 cent for each 2 ounces up to 8 ounces regardless of distance. Over 8 ounces the pound zone rate applies

INSURED PARCEL POST

Packages up to $25 in value will be insured for their full value on payment of a fee of 5 cents for each package in addition to the regular post rates. Packages in value over $25 will be insured for their full value, but not to exceed $50 for a fee of 10 cents for each package in addition to the regular Parcel Post rates. If you desire your package insured, send the insurance fee in addition to the amount you send to pay for the goods—**and be sure to mention same on your order.**

WEIGHT LIMIT

In the local, first, and second zones, packages will be delivered by Parcel Post, weighing up to 70 pounds. In the **third to eighth zones,** the weight limit is 50 pounds.

SIZE LIMIT

The size of the parcel in no case is to exceed 84 inches in length and girth combined. In other words, the circumference of the parcel at its thickest part, plus its length, must not exceed 84 inches.

RETURNING GOODS

Should you ever find it necessary to return goods by Parcel Post, never put a letter or any money in the package, as that would make the whole shipment bear a first-class postage charge. Never seal a Parcel Post package or place a stamp over a string. Always put your name and address in the upper left-hand corner.

Important Suggestions

By Carefully Observing the Following Directions, Mistakes and Misunderstanding Will Be Very Largely Avoided

Always Use the Order Blank and envelope sent with this catalogue when possible. Write plainly, keep a copy of your order, and **be sure to sign your name, postoffice, county and state every time you write to us.** Extra envelopes and order blanks will be sent on application, also additional catalogues, if desired

SEND MONEY. Remittance should always accompany the order. Remittances may be made at **our risk** by any of the following methods: (1st and best) **Postoffice Order;** (2d) **Bank Draft;** (3d) **Express Company Money Order;** (4th) **Cash by Express in amounts not less than $5;** (5th) **Registered Letters.**

OUR PRICES. In comparing our mail prices with others, especially on heavy seeds, such as Peas, Beans and Corn, by the pound and two pounds, and other seeds by the pound and one-fourth pound, **bear in mind that we pay the postage,** unless otherwise noted.

ORDER EARLY. It is important to order as soon after you get the Catalogue as convenient, then you will have your seeds at hand for planting when you want them.

LARGE ORDERS. Any dealer, market-gardener, institution, or any individual wishing seeds in large quantities is requested to mail us a list of what is wanted and we will promptly return it to them with the very lowest prices marked. **A letter of inquiry may save you dollars** if you want to buy in quantity.

SMALL ORDERS. If you want only a single packet, do not hesitate to order it. We take as much pains with small orders as with a large one. Small "True Blue" seed orders are sure to grow larger.

SHIPPING ORDERS. When goods are to be shipped by freight or express, give plain shipping directions; otherwise we use our best judgment in routing.

BE FREE TO WRITE US for any information pertaining to our business, on a separate sheet of paper from your order, as your letter goes to the general office and your order to mail, express, or other departments.

SEEDS BY MAIL. Sending seeds by mail is a very important branch of our business, and we are well prepared to fill orders promptly and correctly **the day they are received** in nearly all cases.

EVERY YEAR we receive a great many orders with no name signed and consequently cannot tell to whom to address the order. Please be sure to sign your name and give your complete address each time you order.

WE URGE customers to inform us promptly on the arrival of orders if anything proves otherwise than expected. We aim to **make friends of our customers** and mail orders receive the same careful attention that customers do over our counters, but we are only human and errors sometimes (though not often) occur. When they do we are willing and anxious to rectify them.

OUR SEED ANNUAL. Please show this **Seed Annual** to your friends, and if you should receive an extra copy be kind enough to hand it to some neighbor interested in seeds, who will be pleased to get it. We will be glad to send a copy **free** to any of your friends likely to want seeds, in this or any other country. In return we will ask you to **speak a good word for us** to your friends and neighbors. An order this season, no matter how small, secures our catalogue for next season as soon as issued.

CHANGE OF ADDRESS. If you have changed, or intend to change your address, please let us know, and we will change it on our books, so that you will receive our Seed Annual at your new post office.

NON-WARRANTY. Complaints made that seeds are not good should quite as often be attributed to other causes as to the quality of the seeds. There are contingencies continually arising to prevent the very best seeds always giving satisfaction, such as sowing too deep, too shallow, in too wet or too dry soil; insects of all description destroying the plants, as soon as, or before, they appear; wet weather, cold weather, frosts, chemical changes in the seeds induced by temperature, etc. Soil preparation for the reception of seed is very important. If not properly sown, seed with very high germination is bound to perish. For all these reasons, it is impossible to guarantee seeds under all circumstances, therefore The Livingston Seed Company gives no warranty, expressed or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants we sell, and will not be in any way responsible for the crop. **We test all our seeds before sending them to our customers,** and should they fail to grow if promptly and properly tested by the customer, will replace the same amount or give value in others.

Partial View of Our Trial-Grounds

Livingston's "True Blue" Vegetable Seeds

We have listed only such varieties as are of real merit, at least in some section. We remove all varieties as fast as they are superseded by improved sorts, and are trying very hard to keep all these true to type. We make thousands of tests each year in our trial-grounds to ascertain similarity of variety, so as not to offer the same sorts under different names.

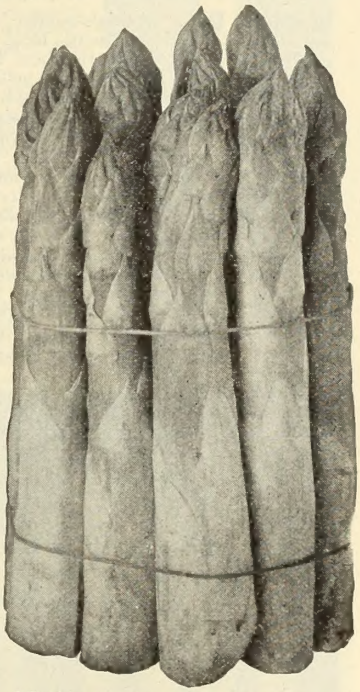
Cultural directions will be found at the heading of each class of vegetables, and also on most of our packets. These directions, while reliable, will not apply in every detail to the extreme sections of the United States, and therefore some allowance must be made for the difference in latitude.

We also send free to our customers, on application, a cultural leaflet, "The Vegetable Garden," which is of value to beginners.

Spargel Asparagus *Esparragos*

It can be grown in any good garden soil, but does best in sunny, moist soil. To grow plants from seed, sow in drills about 1 inch deep, in rows 1 foot apart. Keep the soil mellow and free from weeds; during the summer thin out, and the following spring plants may be set in the permanent bed. For small gardens set the plants 1 foot apart each way, 6 inches below the surface, spreading the roots well apart. Cover with 3 inches of soil and as plants grow draw the soil up to them.

One ounce of seed will sow 60 feet of drill. About 400 plants to the ounce. Leaflet giving cultural directions free to customers



Washington Rust-Proof Asparagus

Washington Rust-Proof. The rust-resistant variety. This variety originated with the Department of Agriculture, Washington, D. C., after years of careful hybridizing and selection. Only vigorous-growing plants, free from rust, were used. Should be used on account of its disease-resistant quality. It should prove a boon to market-gardeners. Pkt. 15c., oz. 30c.

COLUMBIAN MAMMOTH WHITE. A distinct variety, producing shoots which are white and remain so as long as fit for use. Vigorous and robust in habit; grows large shoots. Needs no earthing up. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

GIANT EARLY ARGENTEUIL. A splendid early French variety of large size and green in color; excellent flavor. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

PALMETTO. Large, dark green variety of vigorous growth, having pointed tips. Early. Pkt. 5c., oz. 10c., ¼lb. 30c., lb. $1, postpaid.

CONOVER'S COLOSSAL. Large and rapid grower of excellent quality; color green. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.

Spargelkohl Broccoli *Broculi*

Closely allied to the Cauliflower. It is generally considered rather more hardy. In growing Broccoli, a seed-bed should be prepared and the seed sown in May. The plants will be ready to transplant late in June or early in July, and should be set in very rich mellow ground, in rows about 2½ feet apart, leaving 18 inches between the plants.

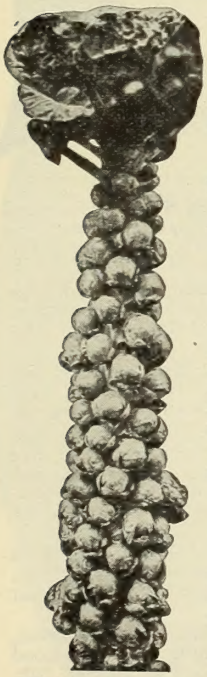
EARLY LARGE WHITE. Heads medium size, close and compact. One of the most certain to head. Pkt. 15 cts., ½oz. 25 cts., oz. 45 cts.

EARLY PURPLE CAPE. The hardier sort, having greenish purple heads; good flavor. Pkt. 15 cts., ½oz. 25 cts., oz. 45 cts.

Rosenkohl Brussels Sprouts *Col de Bruselas*

A species of the Cabbage family, which produces miniature heads from the sides of the stalk. These heads are a great delicacy, cooked in the same way as cauliflower. Sow seed about the middle of May, in a seed-bed, and the plants afterwards set in rows 2 feet or more apart, and cultivated like cabbage.

IMPROVED DWARF. Produces compact sprouts of the finest quality; a good keeper. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., lb. $2.50, postpaid.



Pride of Denmark Brussels Sprouts

Pride of Denmark. A fine variety, growing about 3 feet tall. Sprouts develop along entire stock at one time. Pkt. 10 cts., oz. 25 cts., ¼lb. 80 cts., lb. $2.75, postpaid.

BORECOLE, or KALE. See page 20.

Garden Beans

Our strains of Beans are exceptionally fine. They are produced by the best growers in this country, who make a specialty of growing them for seed purposes. The fields are carefully rogued each year, the seed is hand picked, so that our stock will be found first-class.

Bean prices include postage up to two pounds. If the larger quantities are wanted sent by mail, remit additional amount at the parcel post rates. Refer to page 1 for rates.

Two pounds (one quart) will plant a row 200 feet long; 1 to 2 bushels to the acre

Wax-Podded Dwarf Varieties

Livingston's Hardy Wax. **High quality; stringless.** You can't find a stronger or more healthy grower than this variety. Hardy Wax is a good shipper and its great beauty makes it salable anywhere. The round yellow pods are very solid, meaty and tender, absolutely stringless and of fine flavor. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.65, 15 lbs. $3.

"Sure Crop" Stringless Wax. Plants are very thrifty and hardy. Thick, leathery leaves resist blight admirably and help this sort to stand a remarkable amount of dry weather. Early; pods average 6 inches long, are semi-round and fleshy, and entirely stringless. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts., postpaid. By express, not prepaid, 7 lbs. $1.90, 15 lbs. $3.50.

Livingston's Pencil-Pod Wax. **Refugee Wax.** Although hardy, it is stringless, tender and of fine quality. Pods smooth, perfectly round and straight. In points of vigor, hardiness and productiveness, it is superior to most sorts. Medium early. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.65, 15 lbs. $3.

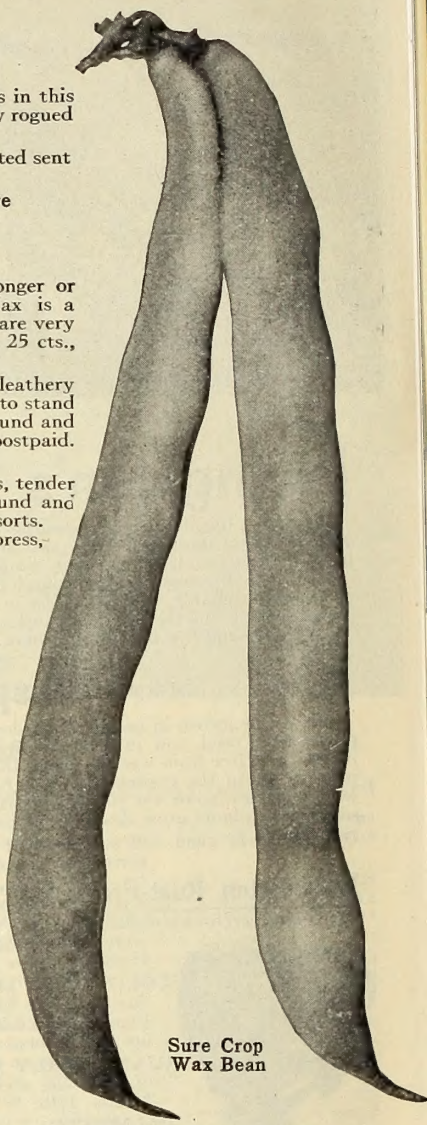
Wardwell's Kidney Wax. **Immensely productive. One of the handsomest wax-podded Beans.** Early; vine medium, erect, hardy, productive. Pods long, broad, flat, brittle and of a delicate light yellow. Very attractive market sort. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 80 cts., postpaid. By express, not prepaid, 7 lbs. $1.90, 15 lbs. $3.50.

Webber Wax. A high-quality, flat-podded, stringless early variety. Pods 6 to 6½ inches long, quite broad and uniformly curved, fleshy, stringless and brittle, with little fiber. Plant vigorous and productive. Color of pod is a decided bright yellow. Seed yellow, kidney shaped. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.65, 15 lbs. $3.

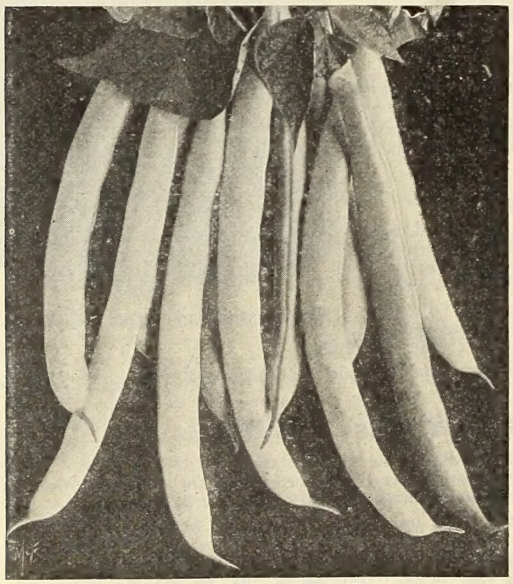
UNRIVALED WAX. This excellent sort produces an enormous crop of pods in about 33 days, on a small, vigorous-growing, dwarf plant. The pods are about 5½ inches long, semi-flat, fleshy, of fine texture, and excellent flavor. They remain in good condition for a long time. Color of pods a beautiful light yellow and almost transparent. The dry Beans are light brown in color. Pkt. 10c., ½lb. 25c., lb. 45c., 2 lbs. 80c., ppd. By express, not prepaid, 7 lbs. $1.80, 15 lbs. $3.25.

NEW KIDNEY WAX. Pods are thick and fleshy, average 6 to 7 inches in length, are borne in large clusters, and make the finest show on the market on account of their rich, lemon-yellow color and straight, handsome shape. In quality unsurpassed. Is brittle and stringless. Early. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts., postpaid. By express, not prepaid, 7 lbs. $1.90, 15 lbs. $3.50.

ROUND-POD KIDNEY WAX. Plants grow strong and sturdy, producing long, round, handsome, stringless pods of large size, very solid and meaty; early and productive. Pkt. 10 cts., ½lb. 25 cts., lb. 40c., 2 lbs. 70c., postpaid. By express, not prepaid, 7 lbs. $1.65, 15 lbs. $3.



Sure Crop Wax Bean



Livingston's Hardy Wax Beans

Improved Prolific Black Wax, **Pencil-Pod Strain.** Pods are long, fleshy, round, waxy yellow, solid and tender; early. Pkt. 10c., ½lb. 25c., lb. 40c., 2 lbs. 70c., postpaid. By express, not prepaid, 7 lbs. $1.50, 15 lbs. $2.75.

HODSON WAX. Late, but very vigorous and hardy. Pods are large and beautiful but inclined to be stringy, productive, good shipper. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.50, 15 lbs. $2.75.

CURRIE'S RUSTPROOF WAX. Pods long, flat, beautiful but stringy; extra early; productive; fine shipper. Pkt. 10 cts., ½lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts., postpaid. By express, not prepaid, 7 lbs. $1.50, 15 lbs. $2.75.

KEENEY'S RUSTLESS GOLDEN WAX. A strong grower; free from rust; strictly a bush variety. Pods meaty, semi-round, rich yellow, fine quality; **entirely** stringless. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., postpaid. By express, not prepaid, 7 lbs. $1.60, 15 lbs. $2.75.

IMPROVED GOLDEN WAX, GRENNELL'S. Hardy, prolific, of best quality; pods straight, thick, stringless, vines erect. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., postpaid. By express, not prepaid, 7 lbs. $1.65, 15 lbs. $3.

DAVIS WHITE WAX. Very productive, white-seeded, rustless, string variety, good for family use if picked quite young. A good shipper. The dry white Beans good for cooking. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., postpaid. By express, not prepaid, 7 lbs. $1.60, 15 lbs. $2.75.

Green-Podded Dwarf Beans

Prices of Beans include postage up to and including 2 pounds

Bountiful. A green-pod Bush Bean, which comes into bearing very early and continues throughout the season. Pods beautifully rich green, very thick, broad, long and uniform; meaty, tender, fine quality; stringless until quite old. Can be used as dry Bean for winter use. A splendid market variety. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., postpaid. By express, not prepaid, 7 lbs. $1.65, 15 lbs. $3.

Stringless Green-Pod. One of the finest extra-early Beans in cultivation. It produces in profusion long, straight, round, deeply saddle-backed pods early in the season. The pods are absolutely stringless at all stages of growth, brittle, tender and of real good flavor. One of the finest for home use. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.65, 15 lbs. $3.

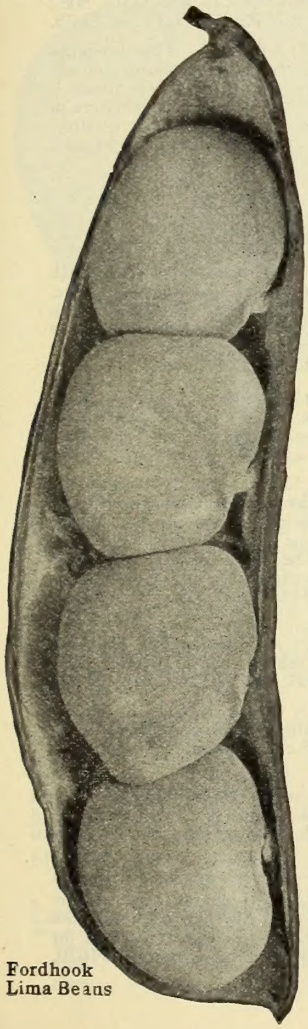
Giant Stringless Green-Pod. Pods average 5 inches long. Full and fleshy, extremely crisp and absolutely stringless; early and prolific. Fine for canning. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.50, 15 lbs. $2.75.

Full Measure. A very desirable, round-podded variety with pods 6 to 7 inches long, which are solid, meaty, brittle and stringless. It is a little later than Stringless Green-Pod and is a splendid Bean for home or market use. A long-standing sort. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., postpaid. By express, not prepaid, 7 lbs. $1.90, 15 lbs. $3.50.

Stringless Green Refugee. It has every quality desirable in a Bush Bean—true bush habit, 1½ feet high, unusually productive. The pods are round, very handsome, and average over 5 inches in length. They are fleshy, tender, brittle and entirely free from strings at all stages of growth. Splendid for canning. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.65, 15 lbs. $3.

HOPKIN'S EARLIEST RED VALENTINE. Best of all Red Valentine strains, early and prolific, round, green podded. Remains in good condition a long time after picking. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.65, 15 lbs. $3.

LIVINGSTON'S ROUND SIX WEEKS. Early; strong grower and abundant cropper. Pods green, very fleshy, free from strings when young. Pkt. 10 cts., ½lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts., postpaid. By express, not prepaid, 7 lbs. $1.50, 15 lbs. $2.75.



Fordhook Lima Beans

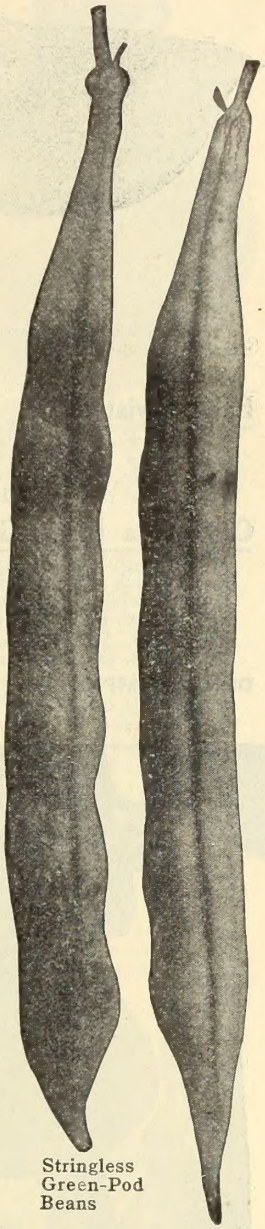
BLACK VALENTINE. Very hardy; resists unfavorable weather and disease. Long, straight, semi-round, green pods of fair quality; is not stringless; enormously productive. Ready for market in 50 days from sowing. A fine shipping sort. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.65, 15 lbs. $3.

REFUGEE, or 1000-to-1. Fine quality; late. Prolific pods, nearly round; stringless when young; a popular variety for canning. Our strain is extra fine. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.50, 15 lbs. $2.75.

Tennessee Green-Pod. This extra-early sort is quite popular in some sections of the South. The pods are very long, often 6 to 7 inches, flat and irregular in shape, of dark green color and are of exceptionally good quality and stringless when young. Pkt. 10 cts., ½lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts., postpaid. By express, not prepaid, 7 lbs. $1.50, 15 lbs. $2.75.

DWARF HORTICULTURAL (Speckled Cranberry). Splendid for Shell Beans, or used dry. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.65, 15 lbs. $3.

IMPROVED NAVY, WHITE MARROW, WHITE KIDNEY. Each, pkt. 10 cts., ½lb. 25 cts., lb. 35 cts., 2 lbs. 65 cts., ppd.



Stringless Green-Pod Beans

Bush Lima Beans

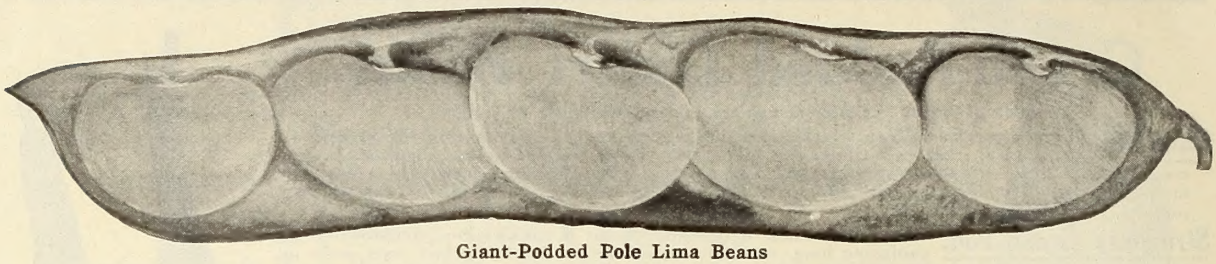
Burpee's Improved. This has uniformly larger pods than the original Burpee's Bush Lima. Beans are thicker and remain green even in the dry stage. The plants are very prolific, bearing pods in clusters of from five to seven. The individual pods average 5 inches long and contain up to six Beans. The Beans are thin-skinned and of delightful flavor. Pkt. 10c., ½lb. 25c., lb. 45c., 2 lbs. 85c., ppd. By express, not prepaid, 7 lbs. $1.90, 14 lbs. $3.50.

New Wonder (Quarter Century, or Burpee's Bush Lima). Pods smaller than Burpee's Improved; Beans slightly smaller; a few days earlier and quite productive. A sure cropper. Very true to bush form. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., postpaid. By express, not prepaid, 7 lbs. $1.75, 14 lbs. $3.

Fordhook. The stiffly erect bushes branch freely and bear tremendous crops. It is ready for use quite early. The Beans are very fat, are closely packed in the pods, shell very easily and remain green a long time. Pods are borne in clusters of from four to six, average 4 to 5 inches long and contain usually four tender Beans of a delightful flavor. Pkt. 10 cts., ½lb. 25c., lb. 45c., 2 lbs. 85c., postpaid. By express, not prepaid, 7 lbs. $1.90, 14 lbs. $3.50.

HENDERSON'S. Beans and pods are small. Pkt. 10 cts., ½lb. 25 cts., lb. 35 cts., 2 lbs. 65 cts., postpaid. By express, not prepaid, 7 lbs. $1.30, 14 lbs. $2.25.

WOOD'S PROLIFIC. An improved Henderson's Bush Lima, as the Beans are larger and thicker. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs., 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.50, 14 lbs. $2.50.



Giant-Podded Pole Lima Beans

Pole Lima Beans

Lima Beans will not grow until the weather and ground are warm. If planted before, they are almost sure to rot in the ground. See cultural directions for Pole Beans below.

Prices on Beans include postage up to and including 2 pounds

Early Leviathan. The earliest of the large-podded sorts. The pods are 5 to 6 inches in length and often contain five to six large, flat, pale green Beans of excellent quality. The Early Leviathan is very productive. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts., postpaid. By express, not prepaid, 7 lbs. $1.75, 14 lbs. $3.25.

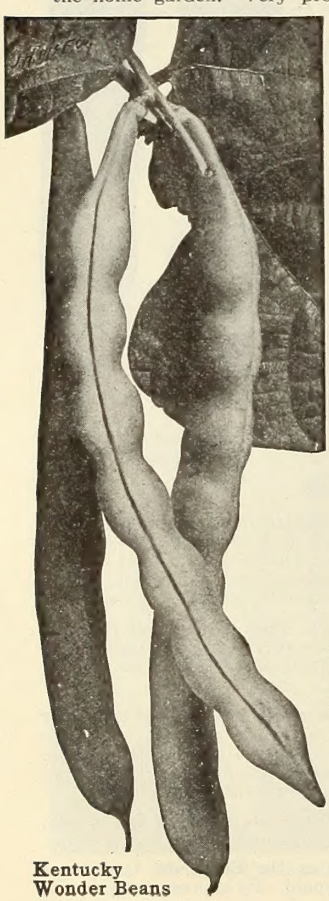
Carpinteria Large Green-Seeded. Vines are strong, vigorous growth, setting many pods, which are closely filled with large, fat Beans, much thicker than those of the ordinary Pole Limas. Pods contain three to four Beans, which retain the green tint in the dry state—a sure indication of fine quality. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.70, 14 lbs. $2.75.

DREER'S IMPROVED. Beans thick and by many considered of best quality. Of medium size. Especially good for the home garden. Very productive. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts., postpaid. By express, not prepaid, 7 lbs. $1.75, 14 lbs. $3.25.

Siebert's Early. The result of a number of years' selecting of largest green Beans and easily opening pods. Very productive, hardy, and vigorous. Produces pods early and continues to the last of the season. The green Beans are of immense size, but so tender and succulent that they shrink in drying to about the size of the ordinary White Lima. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., postpaid. By express, not prepaid, 7 lbs. $1.65, 14 lbs. $3.

King of the Garden. Vigorous grower, pods containing five to six large Beans, which are of fine quality. The vines grow strong and yield heavily. A very fine variety. Pkt. 10c., ½lb. 25c., lb. 45c., 2 lbs. 80c., postpaid. By express, not prepaid, 7 lbs. $1.75, 14 lbs. $3.25.

Giant-Podded. (**See illustration.**) **The largest-podded Lima in cultivation;** extremely vigorous in growth; midseason. Pods measure about 7 inches long by 1½ inches broad and are borne in clusters of six to eight; Beans extra large and of excellent quality. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., postpaid. By express, not prepaid, 7 lbs. $1.90, 14 lbs. $3.50.



Kentucky Wonder Beans

Pole or Running Beans

The Pole or Running varieties are tender and should be sown two weeks later than Bush Beans. They succeed best in sandy loam, which should be liberally enriched with manure. Form hills 3 to 4 feet apart; plant three to six Beans in a hill, 2 inches deep, leaving space in center for the pole. When well started they should be thinned to from two to four plants in the hill.

Two pounds will make 100 to 200 hills, according to size of Beans

Kentucky Wonder, **or OLD HOMESTEAD.** (**See illustration.**) An old favorite, with long, fleshy, deeply saddle-backed pods. Very prolific, producing an abundance of fine, stringless, crisp pods until late in the season. Of best quality. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts., postpaid. By express, not prepaid, 7 lbs. $1.75, 15 lbs. $3.25.

Kentucky Wonder Wax. Quite similar to the Kentucky Wonder or Old Homestead, except in the color of pods, which in this one are light waxy yellow. It has a thick, broad pod, very tender, of delicious flavor and stringless. The pods often attain a length of 8 to 9 inches. It begins bearing when the vines are only a few feet in height, hence its earliness, and, therefore, well adapted to maturing a crop where seasons are quite short. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., postpaid. By express, not prepaid, 7 lbs. $1.90, 15 lbs. $3.50.

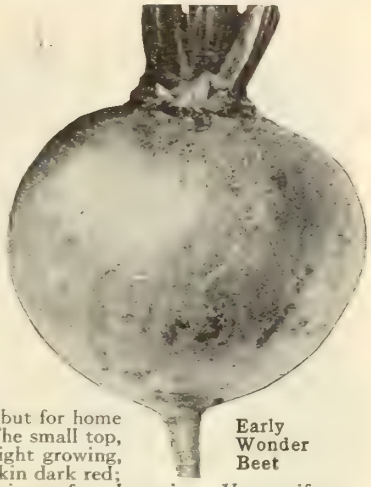
EARLY GOLDEN CLUSTER WAX. Vines strong and hardy; very early and continue bearing until frost. Pods are golden yellow, stringless, and tender. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 2 lbs. 95 cts., postpaid. By express, not prepaid, 7 lbs. $2.20, 15 lbs. $3.75.

Lazy Wife. A late productive sort, having medium green pods up to 6 inches in length, broad, flat, stringless, fleshy, brittle and of excellent quality. Dry Beans, round and white. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., postpaid. By express, not prepaid, 7 lbs. $1.90, 15 lbs. $3.50.

SPECKLED CRANBERRY (**Bird Egg Bean**). A midseason sort. Pods 5 inches long; straight, flat and good as Shell Beans only. Pods green, splashed with red, but not edible. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., postpaid. By express, not prepaid, 7 lbs. $1.65, 15 lbs. $3.

A. R. Weaver, Gallia County, Ohio, writes, January 23, 1922: *"I cannot help but say that the Livingston's are the most reliable firm I ever bought seed from. My first deal with you people was with your venerable old father, when at Reynoldsburg, Ohio. Enclosed find check for $18.40, the amount of order herewith. I commenced buying seed from A. W. Livingston in 1870, and I am now 76 years of age."*

Beets for Table Use



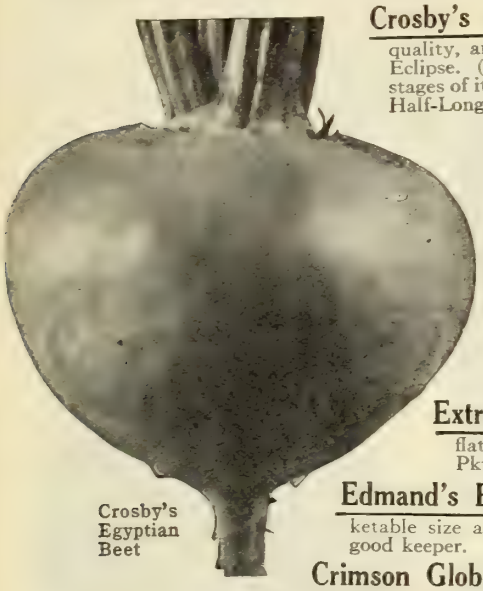
Early Wonder Beet

The soil best suited for the culture of the Beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early, sow in hotbeds and transplant; but for main crop sow in the spring, as soon as the ground becomes fit to work, in drills 1½ feet apart, ½inch deep. For winter use, the turnip varieties may be sown as late as June and the seed covered 2 inches. When the plants are 3 to 4 inches in height, thin out so that they stand 3 to 4 inches apart. Keep free from weeds by frequent hoeing and hand-weeding if necessary. Before freezing weather sets in the roots may be stored in cellars or pits, same as potatoes. Dry earth thrown over them before the straw is put on insures their keeping over winter. Do not bruise them in handling.

One ounce of seed will sow 50 feet of drill; 5 to 6 pounds to the acre

Early Wonder. This is an early sort, being ready for market a few days ahead of Crosby's Egyptian. It is a turnip-shaped variety of very uniform type and is always smooth. Flesh is a beautiful deep red color and is of excellent quality. Tops are small and erect and it may therefore be planted closer than most other sorts. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.40, postpaid.

Detroit Dark Red. **Greatest sort for canners.** This superb variety is one of the most popular red turnip Beets, not only for market-gardeners, but for home use. It is also one of the best for canning, making a strikingly handsome product. The small top, early maturing and splendid shape and color have made it a favorite. Top small, upright growing, leaf, stem and veins dark red, blade green; root globular and very smooth; color of skin dark red; flesh deep, bright red, zones with a darker shade, very crisp, tender and sweet, remaining so for a long time. Very uniform in shape, color and quality. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., lb. $1.35, postpaid.



Crosby's Egyptian Beet

Crosby's Improved Egyptian. A very superior Beet. Of handsome form, good size, few small tops, very small tap root, fine quality, and a rapid grower. The shape is very desirable, not quite so round as the Eclipse. (See illustration.) Takes on its turnip shape and looks well in the very early stages of its growth, on which account it is preferred for first early crop to the Globe and Half-Long varieties. Being a rapid grower, it may be sown outside as late as July. Skin dark red, flesh somewhat lighter, with a few specimens of light red or pink, all however are of a fine bright red shade when boiled and equally delicious in flavor. We have made a very fine selection of our stock for years and we believe have it **nearer the original Crosby** idea than any in the trade. Pkt. 5c., oz. 15c., ¼lb. 40c., lb. $1.35, postpaid.

Early Eclipse. An early Beet especially desirable for the home garden, as they mature through a long period. The tops are small, roots are bright deep red, smooth, round or slightly top-shaped. The flesh is bright red, zoned with pink; very sweet, crisp and tender, especially when young. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.

DEWING'S IMPROVED BLOOD TURNIP. The leading medium-early main-crop variety. Roots always smooth, handsome, good size, tender, and sweet. An enormous cropper. Sow late for winter storage. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.

Extra-Early Dark Red Egyptian. Very early, but a little later than Crosby's Egyptian and the shape more flat. Dark blood-red, medium size, tender and sweet; fine for kitchen gardens. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

Edmand's Blood Turnip. A second-early sort and very uniform. Root is always smooth, round, and handsome; top small; of good marketable size and among the best for table use. Color dark red; crisp, tender and sweet; good keeper. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.15, postpaid.

Crimson Globe. A late main crop variety. Root of medium size, handsome, globe shape and remarkably smooth surface. Skin and flesh are deep, rich red, fine grained, sweet and tender in all stages of growth. Small tap-root; leaves are small, dark green. Pkt. 5c., oz. 15c., ¼lb. 35c., lb. $1.25, ppd.

LENTZ'S EARLY BLOOD TURNIP. A favorite early sort. Of a rapid growth; fine form, exceedingly sweet and delicious. Flesh dark and light pink, boils to light red. Pkt. 5c., oz. 10c., ¼lb. 30c., lb. $1, postpaid.

HALF-LONG BLOOD-RED. Of handsome shape, fine quality, quick growth; good for winter use if planted late. Deep red, distinctly zoned. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.

LONG DARK BLOOD-RED. A good keeper for winter use, flesh dark blood-red. Fine quality. Pkt. 5 cts., oz. 15 cts., ¼lb. 30 cts., lb. $1, ppd.

Swiss Chard, or Spinach Beet

A peculiar variety of Beet, of which the leaves only are used as "greens" when young, and are equally delicious when allowed to mature. The broad, white leaf-stalks or mid-ribs can be cooked and served like asparagus. Produces continually from July until fall. Desirable for greens in summer when Spinach cannot be grown.

SILVER, or SEA KALE. Yellowish green in color. The original Swiss Chard, of medium size. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, ppd.

Lucullus. An improved variety yielding an enormous crop of delicious "greens." The plants grow from 2 to 2½ feet tall and consist, when fully developed, of about a dozen creamy white, beautifully curled leaves. These leaves are carried on broad, thick stalks, about 1 foot long. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, ppd.

Swiss Chard, Lucullus

Beets for Stock Feeding

Sugar Beets

Sugar Beets are not as heavy yielders as the mangels but are of superior quality, containing a large amount of sugar. They are excellent for feeding cows, improving wonderfully the quantity and quality of milk. They require the same culture as mangel-wurzels.

KLEIN WANZLEBEN. This splendid Sugar Beet is one of the **greatest milk-producing roots known.** The yield is not quite equal to Mangels, yet the feeding value is superior. Contains the greatest amount of sugar of any. Pkt. 5c., oz. 10c., ¼lb. 25c., lb. 75c., postpaid.

LANE'S IMPERIAL. Especially good for stock-feeding. Large, smooth, fine-grained and very sweet. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 65 cts., postpaid.

GIANT HALF-SUGAR ROSE. Yield nearly as much per acre as mangel-wurzels and the roots are of much larger nutritive value. Roots grow partly out of ground and are easily harvested. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 85 cts., ppd.

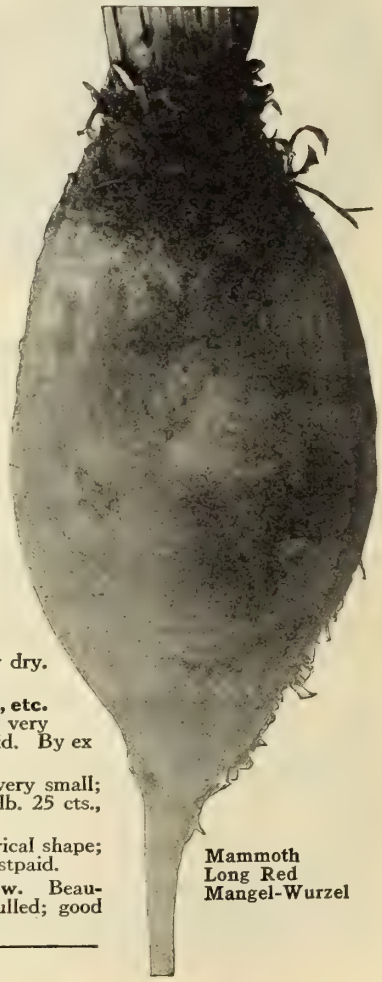
GIANT HALF-SUGAR WHITE. Similar to above, only white. Pkt. 5 cts., oz. 10c., ¼lb. 25 cts., lb. 85 cts., postpaid.

CALLIE JONES, of Mississippi, writes as follows: *"I received my dollar collection of seeds last year all O. K. and was more than pleased with them. All that I planted came up good, and I am satisfied that I got three times my money's worth."*

ROBERT HANSON, Pine County, Minn., writes: *"Three years ago we sent for one of your dollar collections of vegetable seeds, and that is the only time we have had a good garden in the seven years we have been here."*

Giant Half-Sugar Beet

Golden Tankard Mangel-Wurzel



Mammoth Long Red Mangel-Wurzel

Mangel-Wurzels

STOCK BEETS

An ever-increasing acreage is being planted to Stock Beets because of the wonderful results from feeding them. Sow in rows 2½ to 3 feet apart as soon as the ground can be thoroughly worked. Cover seed about 1 inch, making ground firm over the seed. When 4 inches high, thin to 8 inches apart. Beets cannot stand being frozen, so should be harvested before cold weather sets in, and they may be buried in pits the same as potatoes or turnips, when roots are thoroughly dry.

Six pounds of seed sow 1 acre.

MAMMOTH LONG RED. Also called Norbiton Giant, Jumbo Mangel, Colossal, etc. A favorite with the farmer and dairyman. Large; well-formed; dark-red color; very nutritious; a big cropper. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid. By ex press, not prepaid, 5 lbs. $2.25, 10 lbs. $4.

GOLDEN TANKARD. Very productive and sweet; flesh yellow; tops and neck very small; easily pulled; especially relished by sheep and cows. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid. By express, not prepaid, 5 lbs. $2.25, 10 lbs. $4.

YELLOW or ORANGE GLOBE. Very productive; easily pulled; fine keeper; spherical shape; orange-yellow skin and flesh. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 65 cts., postpaid.

GOLDEN GIANT INTERMEDIATE. Yellow Leviathan, or Mammoth Yellow. Beautiful russet-yellow; skin smooth; flesh white, firm, sweet; productive; easily pulled; good keeper. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 65 cts., postpaid.

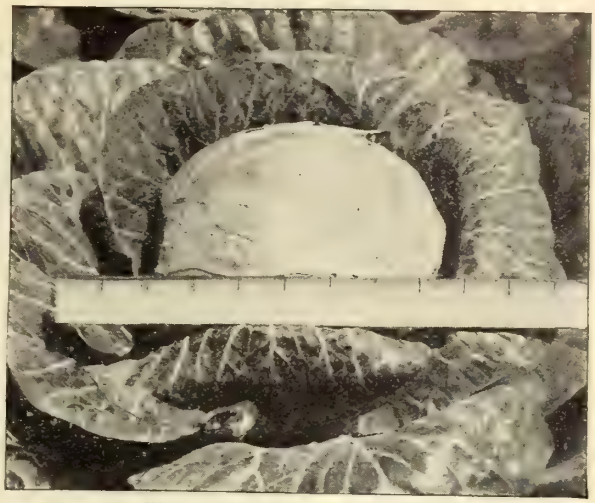
Ask for prices on large lots of both Mangels and Sugar Beets

Weisskraut Cabbage *Gol repollo*

Cabbage requires deep, rich, mellow soil, high manuring, and good culture to obtain fine, solid heads. For early use, sow seeds of the early kinds in the hotbeds or in a box in the house the last of January or early in February; transplant into the open ground in April in rows 2 feet apart and 1½ feet apart in the row; or sow a bed of seed outside as soon as the soil can be worked; transplant in about four weeks. For second early Cabbage, sow in April and transplant in May. For late Cabbage, sow in May and transplant in July in rows 3 feet apart and 2 feet apart in the row. In transplanting, it is important that plants be set down to the first leaf, so that the stem may not be injured in case of frost. Be careful not to cover the heart of the plant. Hoe every week and stir soil deep. As they advance in growth draw a little earth to the plants until they begin to head. To prevent splitting or bursting, go frequently over the ground and push every cabbage that appears about to mature over sideways, which will break some of the roots and check its growth. To prevent attacks of the cabbage fly on small plants, dust thoroughly with plaster, air-slacked lime, or wood ashes.

For cabbage worm, use Hammond's Slug Shot.

One ounce of seed produces about 2,500 plants, 4 ounces enough plants to set an acre. Chinese Cabbage (Pe-Tsai), Celery-Cabbage, Odorless Cabbage, etc., see page 11.



The New Golden Acre Cabbage

Copenhagen Market.

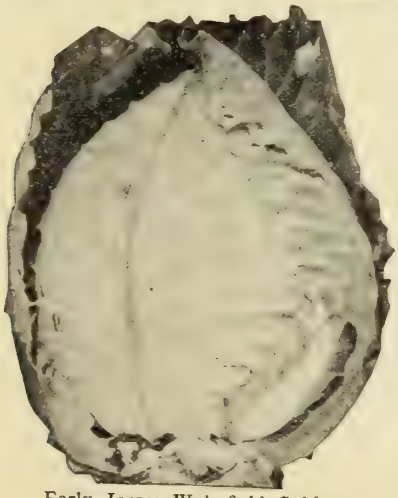
A splendid extra-early round-headed sort which matures as early as the Wakefields and is of larger size. Each plant forms a perfect, tightly folded head averaging 5 to 8 pounds in weight. The compact growth of the plant, the solidity of the head, its excellent flavor, and extreme earliness—all combine to make Copenhagen Market one of the most meritorious Cabbages. Pkt., 10 cts., ½oz. 25c., oz. 40c., ¼lb. $1.30, lb. $4.50, postpaid.

Mrs. Sadie S. Carter, of Cherokee County, Kansas, writes as follows: *"First installment of Cabbage seed was received and planted January 19. The 21st they were coming up nicely, the quickest germination we ever had. That's moving some, I think."*

Copenhagen Market Cabbage

The New Golden Acre.

A very fine new sort from Denmark—the home of fine Cabbages. In our trial-grounds the past season Golden Acre produced heads a week to ten days ahead of our extra-fine strain of Copenhagen Market. It is also very uniform; almost every head could be cut at the same time. The originator states that Golden Acre matures quicker than any variety known to him, and he has tried out a great many. Our illustration was made from a photograph taken in our trial-grounds in 1922. The head is of medium size, quite round, and is surrounded by a few small outer leaves. It is very firm and fully equal to any of the late sorts in this respect. On account of its hardness it will stand in the field for a month or more without bursting and can be shipped long distances and arrive in excellent condition. We are able to secure but a few pounds this season, hence cannot offer it in larger quantities than packets. This, however, will make it possible for a trial to be made this season. We are sure this variety is going to prove very satisfactory, and have contracted for a large amount for our 1924 trade. Don't fail to give the New Golden Acre a trial. Price while it lasts, pkt. 25c.



Early Jersey Wakefield Cabbage

Early Jersey Wakefield.

This variety should be grown in every garden. Many market-gardeners consider this the **very best early variety.** Certainly deserving of its great popularity. Grown extensively for market and shipping. Its merits are many, among which are large heads for an early sort, small outside foliage and uniformity of crop. Pyramidal in shape having a blunted or rounded peak; very sweet. **The seed we offer is from the very best growers** and is sure to give satisfaction. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 85 cts., lb. $3, postpaid.

Large Charleston Wakefield.

A selection from Early Jersey Wakefield, only it is about one week later than that popular early variety and grows larger heads, often averaging 8 to 10 pounds. Very solid and of fine quality. There are immense quantities grown in the South for northern markets. Pkt. 10 cts., ½oz. 15 cts., oz. 25 cts., ¼lb. 75 cts., lb. $2.50, postpaid.

Mr. Simon Brown, Athens County, Ohio, writes: *"I want to congratulate you for securing such high-grade Cabbage seed. My crop was a hummer and I am surely pleased with the outcome. In December, 1918, I bought some Copenhagen Cabbage so as to have everything ready for a good start in due time. Plants were ready for the field in early April and I planted some 10,000 strong, stocky plants. The week of June 11 to 17 I cut a ton of solid heads and by July 3 finished cutting the crop, at a time when the price was still good. A remarkable feature was the uniformity and true shape of the heads."*

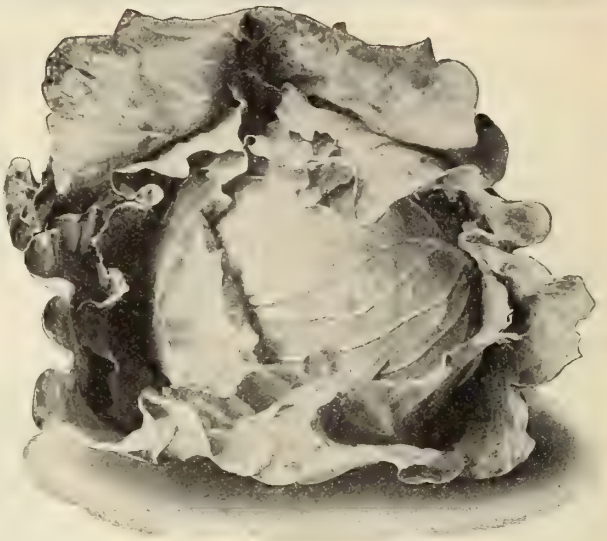
Cabbage, continued

EARLY WINNIGSTADT. Well-known and popular second-early Cabbage. Heads decidedly conical. Solid, even in summer; almost worm-proof, because so hard. A very sure header. Pkt. 5 cts., ½oz. 15 cts., oz. 25 cts., ¼lb. 75 cts., lb. $2.50, postpaid.

All-Season (Vandergaw). An improved strain of Early Dwarf Flat Dutch. Heads very large, round, solid, and of fine quality, keeping as well as the winter sorts. Remarkable for its ability to stand hot sun and dry weather. If planted late—a choice winter sort. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 90 cts., lb. $3.25, postpaid.

Yellow's-Resistant All-Season. In the development of this variety by the University of Wisconsin, the All-Season type has been somewhat changed. However, it is a good early sort having the highly important property of resisting the disease known as "yellows." It is therefore recommended for such sections as are troubled with this disease, which often destroys the entire crop. Pkt. 10 cts., ½oz. 20 cts., oz. 35 cts., ¼lb. $1.15, lb. $4, postpaid.

EARLY DWARF FLAT DUTCH. Excellent second-early variety, producing fine large heads. Highly valued for its fine quality and ability to resist heat. Heads very solid, broad, round, flattened on top, tender and fine-grained. Pkt. 10c., ½oz. 20c., oz. 30c., ¼lb. 85c., lb. $3, postpaid.



Glory of Enkhuizen Cabbage

Danish Summer Ballhead. This variety matures between the Copenhagen Market and the Danish Ballhead, it being a mid-season or summer Cabbage, and of the true ballhead type. It is a fine, medium-sized variety of excellent quality. Pkt. 10 cts., ½oz. 20 cts., oz. 35 cts., ¼lb. $1.25, lb. $4.50.

Surehead. Large, round, flattened heads, and is remarkable for its certainty to head; good keeper and shipper. It is very sweet flavored, has but few loose leaves. As a late sort for the kitchen garden, is unequaled. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 85 cts., lb. $3, postpaid.

J. M. Graybill, Botetourt County, Va., writes as follows: *"We find your "True Blue" Garden Seeds very satisfactory and never fail to recommend them to our friends."*

Allhead Early Cabbage

Glory of Enkhuizen. A second-early of large size and very solid. Matures a few days later than Early Jersey Wakefield; of larger size and is quite round. A long-keeping sort. It is very dwarf and compact, allowing of close planting. Heads fine, ball-shaped. Size ideal for marketing. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 85 cts., lb. $3, postpaid.

SUCCESSION. About one week later than the Henderson's Early Summer, but nearly double the size, while it can be planted nearly as close, its outer leaves being unusually short. A very sure header. Heads deep and of excellent quality. Pkt. 5 cts., ½oz. 15 cts., oz. 25 cts., ¼lb. 75 cts., lb. $2.50, postpaid.

W. P. Stahl, Miami County, Ohio, writes: *"Shipment of seed has arrived O. K. and in good condition. I thank you for your promptness."*

Henderson's Early Summer Cabbage

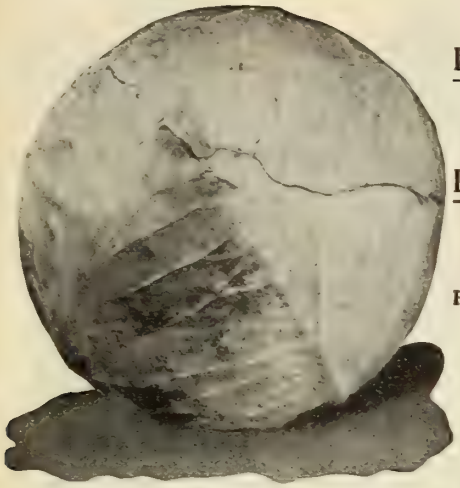
Allhead Early. Of remarkably uniform size and shape and sure-heading qualities. Deep, flat heads, solid and uniform in color. In tenderness unsurpassed. By reason of its compactness it may be planted closely. For winter use, sow in July. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 85 cts., lb. $3, postpaid.

The Volga (No. 20). This variety is of the greatest uniformity. In a field of several acres frequently not a single plant shows any variation from a true and valuable type. The heads are about equal in size and shape, weighing from 12 to 15 pounds each, round as a ball, the largest measuring about 12 inches in diameter either way. Heads very solid; the flesh is exceedingly firm, tender, and white. In respect to hardiness, we have never seen a better type. This type matures somewhat earlier than our late-growing kinds. Pkt. 10 cts., ½oz. 20 cts. oz. 30 cts., ¼lb. $1, lb. $3.50, postpaid.

Henderson's Early Summer. About 10 days later than the Early Jersey Wakefield, but fully double the size, may be classed with best large early Cabbages. Keeps long time without bursting. Heads round and flat. One of the best for the home-garden, and is used quite extensively in the South for shipping. Pkt. 10c., ½oz. 15c., oz. 25c., ¼lb. 75c., lb. $2.50, postpaid.

E. B. Vanallen, Pasco County, Fla., writes: *"Your seeds came up fine: much pleased."*

If Cabbage seed is wanted in larger quantity than quoted herein, ask for our Special Wholesale Prices



Danish Ballhead Short-Stem Cabbage

Cabbage, continued

Livingston's Premium Flat Dutch. Produces many tons to the acre, because of its solidity and compact manner of growth; is solid to the heart. Our strain has no superior. **The heads are large, white, crisp, tender, and sure to head.** Grown largely for kraut-making in the autumn. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 85 cts., lb. $3, postpaid.

Livingston's Ideal Winter. A few days earlier than Livingston's Premium Flat Dutch. The large, solid heads, the short stems, the absence of useless foliage, uniformity of size and shape, reliability for heading and extra-fine texture and quality all combine to make this the **ideal Cabbage for late crop.** Pkt. 10 cts., ½oz. 15 cts., oz. 25 cts., ¼lb. 80 cts., lb. $2.75, postpaid.

FOTTLER'S SHORT-STEM BRUNSWICK. Has large, solid heads with few outside leaves; a fine medium-maturing sort. Heads flat, fine grained and sweet; stem quite short. Planted late, is a choice winter sort. Pkt. 10 cts., ½oz. 15c., oz. 25c., ¼lb. 80c., lb. $2.75, postpaid.

Autumn King, or WORLD BEATER. One of the finest strains of late Cabbage. It produces regularly, even heads of large size; is a great cropper of fine quality. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 85c., lb. $3, postpaid.

Danish Ballhead Tall-Stem (Hollander, German Export, Dutch Winter). This splendid variety is well known for its remarkable solidity and grand keeping qualities. The heads are very heavy and superb in quality, and the extra weight, in limited space, will be appreciated by those who grow for distant markets, ship in carloads and sell by weight. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 85 cts., lb. $3, postpaid.

Danish Ballhead Short-Stem. The head is quite similar to the above, but has a shorter stem, less outer foliage, and is better able to resist blight. Stands hot weather remarkably well. Pkt. 10 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. $1.40, lb. $5, postpaid.

Chinese Cabbage, Wong Bok

Mrs. Mary L. Ralston, Butler County, Pa. writes: *"This makes the forty-sixth year of gardening for me, and all except a few years I have planted Livingston's "True Blue" Seeds and found none better."*

Valentine Peister, Monmouth County, N. J., writes: *"Received the seed in good order and thank you for your prompt attention."*

Edmund H. Jones, Morris County, N. J., writes: *"Have fine success with your seeds which I personally purchased last spring while passing through Columbus."*

Chinese Cabbage

Also known as "Celery Cabbage," "Odorless Cabbage," "Chinese Lettuce," etc.

It is a species of Cabbage with a fine delicate flavor, as tender as head lettuce, and in great demand for numerous dishes, such as salads and cold slaw, or it may be cooked quickly. The culture, storing for winter, etc., are same as for late Cabbage. Our experience is that Chinese Cabbage cannot be grown successfully as a spring crop. For fall crop, seed should be sown early in August. We offer two varieties.

PE-TSAI. Produces a long, slender very solid head, often measuring 20 inches in length; outer leaves light green, inside is of a beautiful creamy yellow. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 85 cts., lb. $3, postpaid.

WONG BOK. The heads of this sort are shorter and of greater diameter than the above and average heavier. Wong Bok has beautifully curled leaves of fine quality and is a sure header. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. $1, lb. $3.50, postpaid.

Savoy Cabbage

The Savoy or Curly Cabbages are of exceptionally fine flavor and quality, and should be more generally cultivated. They are particularly adapted for private use, where quality rather than quantity is considered. Most delicious after frost.

IMPROVED AMERICAN SAVOY. Heads large and finely curled; short stalk; a compact grower; sure header; keeps well. Best for main crop. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 85 cts., lb. $3, postpaid.

Red Cabbage

Danish Ironball. As round as a ball and as hard as iron—these are the two leading characteristics of this splendid sort. Heads grow to a large size, averaging 8 inches in diameter, of rich purplish color throughout. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. $1, lb. $3.50, postpaid.

MAMMOTH ROCK RED. Heads as large as Late Flat Dutch; deep red to center. Highly recommended. Hard as a rock. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 85 cts., lb. $3, postpaid.

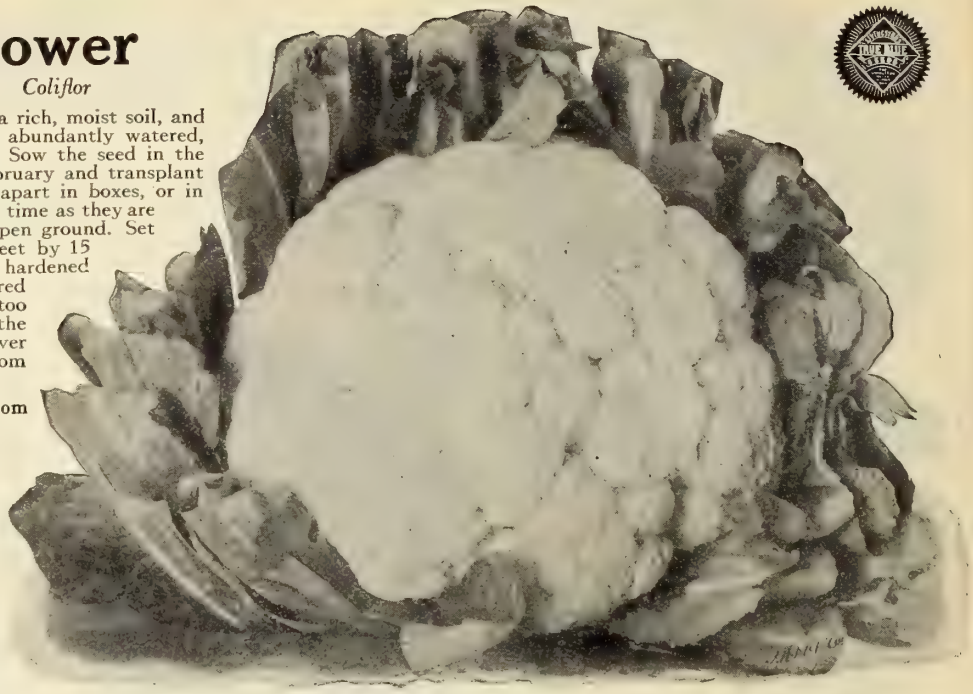
Danish Ironball Red Cabbage

Cauliflower

Blumenkohl *Coliflor*

Cauliflowers delight in a rich, moist soil, and in dry seasons should be abundantly watered, especially when heading. Sow the seed in the hotbed in January or February and transplant the plants 2 or 3 inches apart in boxes, or in another hotbed, until such time as they are safe to be planted in the open ground. Set the plants in the field 2 feet by 15 inches apart. If properly hardened off, they are seldom injured by being planted out too early. When heading, tie the outside leaves loosely over the head to protect it from the sun.

One ounce produces from 1,500 to 2,000 plants.



Livingston's Earliest Cauliflower

Dry-Weather. Also known as **Danish Giant** and **Gilt-Edge.** This is a fine, large, heavy variety that matures about a week later than Livingston's Earliest Cauliflower. It **is especially adapted for growing in dry localities** on account of its large leaves which furnish greater protection to the heads. Pkt. 25 cts., ¼oz. 75 cts., ½oz. $1.40.

Livingston's Earliest. Our grower in Denmark spares no pains or expense with this stock. For wintering in coldframes for early, it cannot be excelled, and it does equally well for a fall crop if planted late and treated the same as late cabbage. Livingston's Earliest Cauliflower should take the place of many of the late varieties on account of its fine texture, pure white heads, and large uniform size. A most compact grower and a sure header. Price, under our "True Blue" Seal, pkt. 25 cts., ¼oz. 80 cts., ½oz. $1.50.

EXTRA-EARLY DWARF ERFURT. Dwarf habit, compact growth; short outside leaves. Can be planted 20 inches apart. Similar to Livingston's Earliest. Pkt. 25 cts., ¼oz. 75 cts., ½oz. $1.40.

LARGE LATE ALGIERS. Popular with canners and market-gardeners. Ample foliage protects the large heads well, which remain fit for use a long time. Pkt. 15 cts., ½oz. 35 cts., oz. 65 cts.

Livingston's Greenhouse Forcer. A selection from Extra-Early Dwarf Erfurt, but having shorter leaves. It is equally sure to head and produces heads of about the same size. The small leafage is desirable in greenhouse culture as it permits closer planting and therefore more heads to a given space. Heads are creamy white and of fine texture and flavor. Pkt. 25 cts., ¼oz. 75 cts., ½oz. $1.40.

Henderson's Early Snowball. A very fine medium-early sort, and if plants are started late it does equally well as a late crop. Heads of medium size, compact, and very white. Has few short, upright leaves. A very sure header. Pkt. 25 cts., ¼oz. 70 cts., ½oz. $1.35.

Charles H. Flournoy, Knox County, Tenn., writes: *"We compliment you on your prompt attention and accuracy in the filling of orders sent you for supplies, and best of all is the coming up, after planting, of the seeds. Much obliged."*

Cress, or Pepper Grass

Kresse *Berro*

A well-known, pungent salad; can be used alone or with lettuce. Requires to be sown thickly, at frequent intervals, covering very lightly, to keep up a succession, as it soon runs to seed.

EXTRA-CURLED PEPPER GRASS. May be cut two or three times. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, ppd.

TRUE WATER. Well-known hardy perennial aquatic plant. Is easily grown along margins of ponds and streams where it increases both by spreading of roots and seeding. Has a pleasant, pungent flavor. Growing Water Cress should prove a profitable enterprise where the conditions are favorable. Pkt. 10 cts., ½oz. 35 cts., oz. 60 cts.

UPLAND. This is a hardy perennial; stays green nearly the whole year; ready for use in the spring before any other salad. Eaten like lettuce or boiled like spinach. Sow in April in rows 1 foot apart. Pkt. 5 cts., oz. 20 cts., ¼lb. 65 cts.

Collards

A plant of the cabbage family. It is well adapted to the South, enduring extreme heat; excellent for greens.

TRUE SOUTHERN, or GEORGIA. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts., postpaid.

Chicory

Sow the seed in June in open ground, in rows 12 to 14 inches apart, keeping free from weeds; water if necessary. Take up the roots in November and cut off top to about 2¼ inches from the neck and shorten lower end to a uniform length of 8 to 10 inches. Prepare a trench 16 to 18 inches deep and place roots upright, 1½ inches apart. Fill in level with good, light soil and any portion may be forced by covering with 1½ feet of manure. In four to five weeks the heads will be ready for use. The blanched head is the edible portion and is generally eaten raw as a salad.

WITLOOF (French Endive). A delicious winter salad, eaten usually with French dressing, like lettuce. Pkt. 10 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid.

Corn Salad, or Fetticus

A vegetable used as a salad. Sow at the first opening of spring for summer use in rows 1 foot apart, and it is fit for use in six to eight weeks.

LARGE-LEAVED. Pkt. 5 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid.

C. A. Seitzinger, Summit County, Ohio, writes: *"The garden seeds came to hand, for which please accept my thanks."*

Improved Chantenay Carrot

Half-Long Danvers Carrot

Carrots

Worhen *Zanaborias*

Sow in early spring in drills 15 to 18 inches apart, finally thinning the plants to 3 to 4 inches. If sown early on a moist soil, a half-inch is deep enough to cover the seed. The seed is slow to germinate. Keep clean by frequent hoeing and weeding. If neglected, the young plants are easily smothered, and the crop is lost.

One ounce sows 100 feet of drill; 4 pounds sow one acre

For Table Use

Improved Chantenay. **(See illustration.) A popular and profitable sort to raise for city markets.** It is about 6 inches long, thick through, and decidedly stump-rooted. In size it is between the Oxheart and Danvers. The flesh is a deep orange-red, fine-grained, and of an excellent flavor. It is very early and always produces smooth, shapely roots. Its fine appearance finds for it a ready market; its splendid table qualities keep it in demand. Our strain of seed is unsurpassed. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

Oxheart, or GUERANDE. Intermediate length; is 3 to 5 inches in diameter; quality extra good. Some sorts require digging but the Oxheart can be easily pulled. It is especially adapted to shallow soils where the longer sorts would not thrive as well. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

NANTES HALF-LONG (Stump-rooted). Sweet and fine flavored; almost without a core; very fine grained; excellent for the home-garden or market. One of the finest in quality and handsomest in shape of the medium-sized sorts; about 6 inches long. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.

EARLY FRENCH FORCING, or GOLDEN BALL. The earliest almost-round variety, much used for first early forcing in hotbeds. Color reddish orange, and bunches very nicely; used largely for market as well as kitchen-garden. Quality the best. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., postpaid.

EARLY SCARLET HORN. For forcing and early garden use; flesh deep orange, fine grained; agreeable flavor; small top stump-rooted; about 3 inches long. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., postpaid.

Improved Danvers (Half-Long). (See illustration.) The best for general crop. Will yield the most per acre. Most profitable for market-gardeners; stump-rooted. It is grown largely everywhere on account of its productiveness and adaptability to all classes of soils. Tops medium size, roots deep orange, large, but of medium length, tapering uniformly to a blunt point. Smooth and handsome flesh; sweet, crisp and tender. Although of medium length, it is one of the largest yielders, and while this is one of the leading table sorts, it is also used a great deal for stock feeding. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

Improved Long Orange. The standard late variety; very handsome and uniform in shape; roots are of deep orange color, good flavor; yields very heavily. Requires a deep soil. Plants should stand 6 inches apart in drills 1½ feet apart for roots to attain their full size. The roots are smooth, fine-grained and very large, growing to 1 foot in length and 3 inches in diameter. For feeding cows it is very valuable, as it increases the flow of milk and imparts to the butter a rich golden hue. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.

Improved Long Orange Carrot

Oxheart Carrot

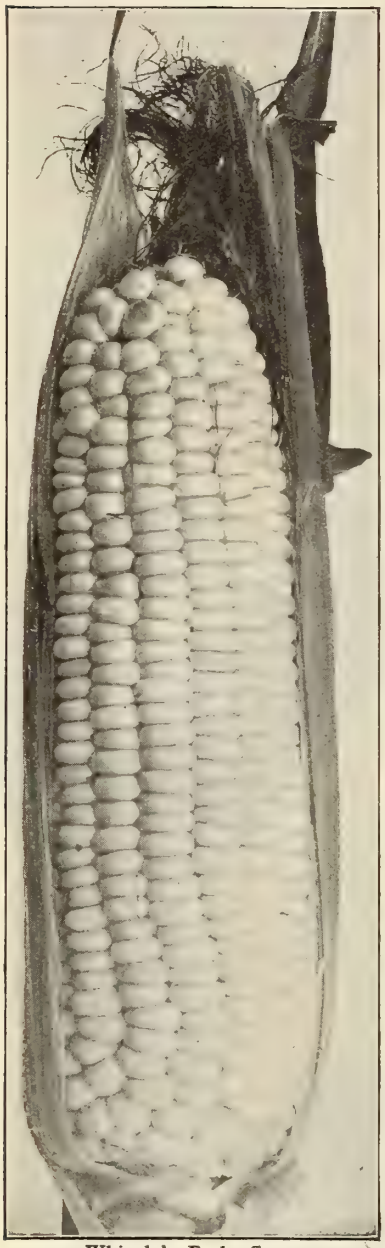
For Stock Feeding

Too much cannot be said in praise of the Carrot as a wholesome addition to the winter feed for stock, apart from its great value as a vegetable for table use. The splendid roots make a most desirable change of feed for your cattle when given in connection with grain and dry fodder. Plant plenty of Carrots for all purposes.

IMPROVED SHORT WHITE. Very large, half-long roots; 7 to 9 inches long; nearly white. It is the heaviest cropper known. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

LARGE WHITE BELGIAN. A heavy cropping sort, growing about 12 to 16 inches in length; white below the ground, green above. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

Special prices on Carrot seed in quantity



Whipple's Early Corn

Corn, Sweet or Sugar

Speise Maiſ *Maiz dulce*

The Sweet or Sugar Corn varieties, being liable to rot in cold or wet ground should not be planted until May or when the soil has become warm and dry. For a full supply for the table during the entire season, plant every ten days or two weeks until the last week in July, in hills 2 by 3 feet apart for the early kinds, and 3 by 3 feet for the large late sorts, using four or five grains to the hill. Give frequent and thorough cultivation all the season. A pound of Sweet Corn contains about 2,000 grains.

Twelve to 16 pounds will plant an acre

SWEET CORN PRICES in quantities up to and including 2 pounds include prepayment of postage. If the largest quantities are wanted sent by mail, it will be necessary to remit additional amount at the parcel post rates. Refer to page 1 for rates. Ask for wholesale price on large lots.

Early Dighton. This new variety is the earliest of all white Sweet Corns, even earlier than the Extra-Early Adams. The stalks are 3 to 4 feet high, with the ear set low down on the stalk. Ears are 6 to 7 inches in length and most all carry 8 rows of grains. The quality is very good for so early a sort. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. $1.20, 12 lbs. $2.

Whipple's Early. (See illustration.) Of the narrow-grained Evergreen type, but ready for use much earlier. Ears 8 to 9 inches long, 16 to 18 rows of pearly white grains. The chief distinction of this variety is that it is by far the earliest of the deep narrow-grained Evergreen types and has a larger sugar content. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., postpaid. By express, not prepaid, 6 lbs. $1, 12 lbs. $1.75.

EARLY MAYFLOWER. Popular in eastern states, as it is the earliest real Sweet Corn of good size. Matures earlier than White-Cob Cory. Ears 5 inches long, with 10 and 12 rows of pure white, sweet grains. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., postpaid. By express, not prepaid, 6 lbs. $1, 12 lbs. $1.65.

MAMMOTH WHITE CORY. Extra early, with ears about 7 inches in length. Cob and kernel pure white. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., postpaid. By express, not prepaid, 6 lbs. $1, 12 lbs. $1.65.

EXTRA-EARLY PREMO. Can be planted very early on account of its hardiness. Grows 5 feet high, very vigorous, bearing two ears to the stalk. Ears 8-rowed and of fair size. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. 85 cts., 12 lbs. $1.50.

ARISTOCRAT. Exceedingly large ears for an early dwarf sort—8 inches long—with broad, sweet grains. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., postpaid. By express, not prepaid, 6 lbs. $1, 12 lbs. $1.65.

EXTRA-EARLY ADAMS. It is not a Sugar Corn, but is grown for early use only. Ears short; kernels very white. Pkt. 10 cts., ½lb. 15 cts., lb. 25 cts., 2 lbs. 45 cts., postpaid. By express, not prepaid, 6 lbs. 75 cts., 12 lbs. $1.40.

EARLY ADAMS. Similar to above but larger and later. Hardy, and can be planted early. Pkt. 10 cts., ½lb. 15 cts., lb. 25 cts., 2 lbs. 45 cts., postpaid. By express, not prepaid, 6 lbs. 75 cts., 12 lbs. $1.40.

Livingston's Early Sugar. A distinct and valuable addition to the early Sweet Corns. As compared with other good early sorts, it has bigger ears with more even rows which are filled well to the tip. Ears average 8 inches long by 2¼ inches in diameter, have from 10 to 12 rows of deep, broad, pearly white kernels of delightfully sweet flavor which is not surpassed by any other early kind. Sixty per cent of the stalks carry two well-developed ears which are usually placed from 2 to 3 feet above ground. A remarkable characteristic of Livingston's Early Sugar is the exceptionally strong husk which protects the ears from ravages of insects. Pkt. 10c., ½lb. 20c., lb. 30c., 2 lbs. 55 cts., postpaid. By express, not prepaid, 6 lbs. $1, 12 lbs. $1.75.

Livingston's Early Sugar Corn

Corn, Sweet or Sugar, continued

KENDEL'S EARLY GIANT. Ears large, 8 to 9 inches long, with 10 or more rows of plump and purest white kernels of delicious flavor. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. 85 cts., 12 lbs. $1.50.

HOWLING MOB. One of the best-flavored and tender of all medium-early white Sweet Corn. The ears are 7 to 8 inches long, with 12 to 14 rows of pure white grains. Very productive. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. 85 cts., 12 lbs. $1.50.

BLACK MEXICAN. One of the sweetest varieties. Pkt. 10 cts. ½lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., postpaid.

LIVINGSTON'S EARLIEST ON EARTH. The earliest of all golden sorts, and while the quality is not quite so good, it sells well in its season. Ears 5 to 6 inches long. On account of extreme earliness, double cropping is possible. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., postpaid. By express, not prepaid, 6 lbs. $1, 12 lbs. $1.65.

Columbus Market Corn

Golden Bantam. One of the finest in quality. Ears are about 6 inches long, 8-rowed, filled with broad, sweet, golden yellow kernels of a delightful flavor. It is **always** good, whether planted in spring or summer. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., postpaid. By express, not prepaid, 6 lbs. $1, 12 lbs. $1.65.

GOLDEN GIANT. A little later than Golden Bantam but is larger and of good quality. Color light yellow. Pkt. 10 cts., ½lb. 20 cts., lb.30 cts., 2 lbs. 55 cts., postpaid. By express, not prepaid, 6 lbs. $1, 12 lbs. $1.65.

GOLDEN CREAM. A Golden Country Gentleman. In this new Golden Cream we have the Golden Bantam and Country Gentleman united, retaining all the sweetness and fine flavor of both; color light yellow; later than Golden Bantam. Pkt. 10 cts., ½lb. 20c., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. 90 cts., 12 lbs. $1.60.

BANTAM EVERGREEN. A Golden Evergreen. A cross of Golden Bantam and Stowell's Evergreen. Comes in just right in season to follow the first early sorts. Color a rich golden yellow. Ears about 8 inches long. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., postpaid. By express, not prepaid, 6 lbs. $1, 12 lbs. $1.65.

Columbus Market. **(See illustration.)** The ears carry an average of 16 rows of fine, large, deep, white and very sweet grains, which are second to none in tenderness and flavor. The stalk is very strong, sturdy, and of only medium height; the leaves broad and dark green in color, a habit of growth which gives it great endurance during a dry time. Especially adapted for mid-season market; also **very desirable for the home garden.** Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., postpaid. By express, not prepaid, 6 lbs. $1, 12 lbs. $1.65.

Golden Bantam Corn

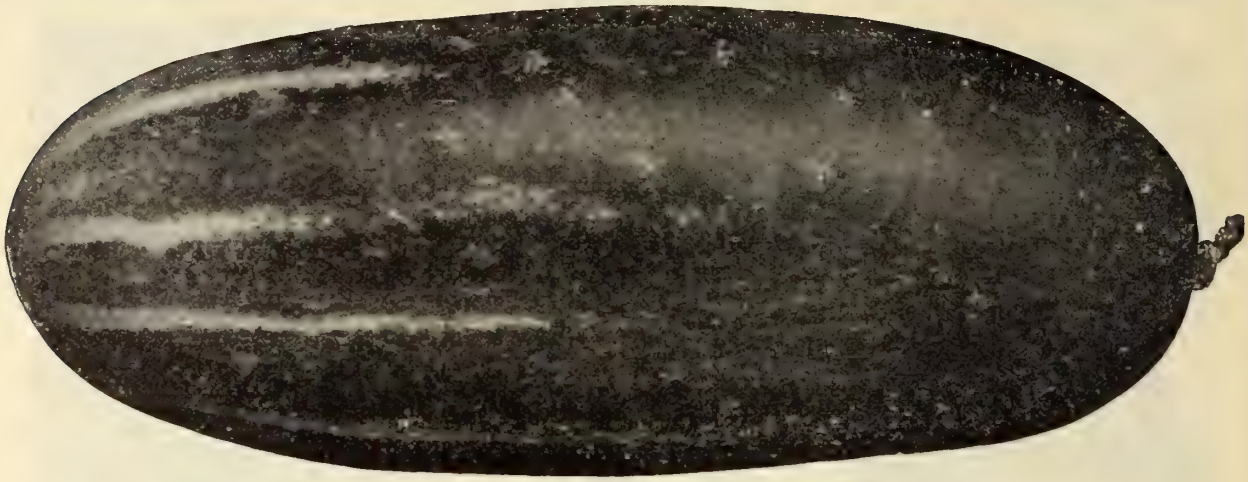
EARLY EVERGREEN. An early strain of Evergreen. The ears grow to a good size, usually about 7 inches long, and contain 16 to 18 rows of deep, sweet grains. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. 85 cts., 12 lbs. $1.50.

STOWELL'S EVERGREEN. A favorite with canners and market-gardeners for late use, and especially for the kitchen-garden. Ears large, kernels very deep, tender and of most delicious sweetness. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. 85 cts., 12 lbs. $1.50.

WHITE EVERGREEN. The ears are uniformly very large and well filled. When in the green state both cob and kernel are white as snow. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. 85 cts., 12 lbs. $1.50.

NARROW-GRAINED EVERGREEN. A selection of Stowell's Evergreen, retaining its large size and productiveness and adding the delicious sweetness of Country Gentleman. A large, medium late sort. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 6 lbs. 85 cts., 12 lbs. $1.50.

COUNTRY GENTLEMAN. One of the richest flavored of all the late varieties. The plump, pearly white kernels are of great depth. Ears average 7 inches long by 2 inches in diameter. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., postpaid. By express, not prepaid, 6 lbs. $1, 12 lbs. $1.65.



Livingston's Extra-Early White Spine Cucumber

Cucumbers

How to Grow Cucumbers.—Cucumbers require rich, sandy soil, but do quite well in almost any good garden soil, especially if some fertilizer is mixed in where the hills occur.

As soon as the weather has become settled and warm, plant in hills 4 to 6 feet apart each way, with 8 to 10 seeds in a hill; cover one-half an inch deep, smoothing the hill off with the hoe. When the plants are out of danger of insects, thin out to three or four plants to a hill. The seed may also be sown in rows 6 feet apart, with the seed every few inches in the row, thinning out when plants are large enough to withstand the bugs. For pickles, plant from June 1 to August 1. The fruit should be gathered when large enough for pickling, whether required for use or not, as, if left to ripen on the vines, it destroys their productiveness.

One ounce of seed will plant about 50 hills; 1 to 2 pounds to the acre

EARLIEST OF ALL. An extra-early, prolific, desirable White Spine much in favor in the South for early shipment to northern markets. Fruit very full and uniform, tapering slightly but abruptly at both ends; color a good deep green. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

Early Fortune. A fine new variety of White Spine type. The fruit is of uniform size and shape and is of very firm texture, thus permitting long-distance shipping. Popular in South. The skin, which is dark green, holds its color remarkably well and therefore remains in slicing condition longer than some of the other standard sorts. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

Livingston's Extra-Early White Spine. **Private strain we have had for many years, and it is the most thoroughbred, uniform and shapely variety of White Spine known, not only for first early, but for general crop as well.** Excels in earliness. Vines are vigorous growers. The very best for slicing, and make choice pickles; straight and smooth. A great bearer; keeps green much longer than the yellow varieties; no sort excels it in crispness and flavor. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.40, postpaid.

Ask for our Cucumber prices in large quantities

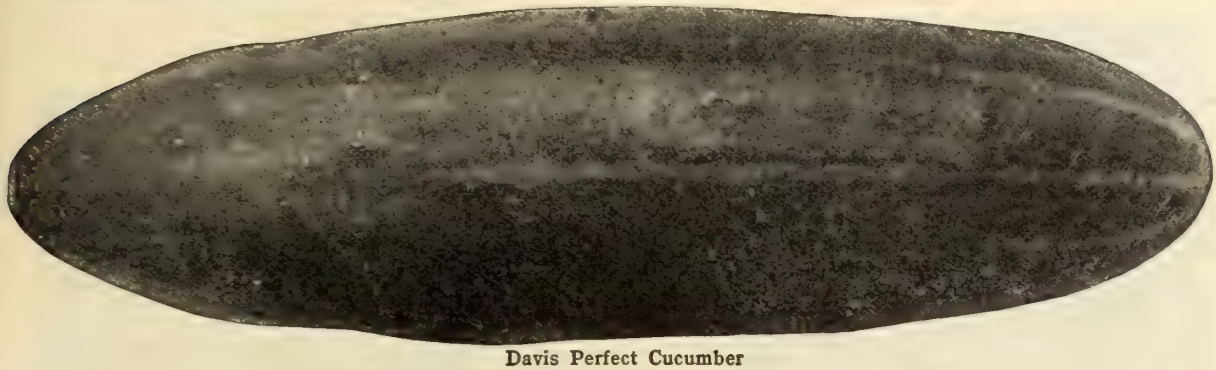
Livingston's Evergreen Pickling. **Introduced by us in 1890. Generally admitted to possess every qualification required in a perfect pickling Cucumber.** Exceptionally productive. One grower says it bears "four to one," compared with many standard sorts. It is a very strong grower, extra-early, and bears firm, crisp, evergreen fruits, which are excellent for slicing also. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.40, postpaid.

ARLINGTON IMPROVED WHITE SPINE. One of the earliest and very productive. Fruit quite uniform; about 7 inches long and well rounded at both ends; of bright green color. Used for early slicing and when planted late it produces good pickles. Pkt. 5c., oz. 15c., ¼lb. 35c., lb. $1.15, ppd.

EXTRA-LONG, or EVERGREEN WHITE SPINE. Averages longer than other strains. Extra-fine shape and quality; makes a good pickle, used extensively for growing under glass. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

IMPROVED LONG GREEN. The vines are very strong growing and productive. The fruits are quite long, averaging 10 to 12 inches in length, and dark green in color. This sort is very popular both as a slicer and for pickles. One of the best general-purpose Cucumbers. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.40, postpaid.

Early Fortune Cucumber



Davis Perfect Cucumber

Cucumbers, continued

Davis Perfect. By using this variety gardeners can produce Cucumbers outdoors that will sell in the market for hothouse forcing varieties. The shape is ideal, tapering at both ends, as shown in our illustration. It is almost seedless, and the few seeds when in eating condition are so small and tender that they are hardly noticeable. Most important of all, it does not lose its dark, rich color when grown outdoors. Grows a fine pickle. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

WESTERFIELD CHICAGO PICKLING. Popular with Chicago gardeners. Medium length, slightly pointed at ends; large; prominent spines; deep green. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.10, postpaid.

GREEN PROLIFIC, or BOSTON PICKLING. Of uniform growth, seldom too large for pickling; produces fine, short, green pickles, and is immensely productive. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

JERSEY PICKLING. Intermediate between Long and Short Green. Long, slender, cylindrical; crisp and tender. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

GHERKINS (True West India). Used only for pickles. Fruits small, oval, about 2 by 1¼ inches, covered with spines; color light green. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., postpaid.

LEMON. A desirable variety, having a strong resemblance to a lemon in its size, shape, and color. Pick just as it turns yellow, and they make fine sweet or sour pickles. They may also be used as containers for stuffed pickles. Pkt. 5 cts., ½oz. 15 cts., oz. 25 cts, postpaid.

LIVINGSTON'S EMERALD. Introduced by us in 1897. A dark-green Cucumber that will hold its color until quite ripe, making it very attractive. The plant sets early, and its vigorous vines abound in long, straight, handsome fruits of the most desirable qualities. **As a slicer, the flesh is perfectly crisp and tender and the flavor most pleasing.** The young fruit is dark green, straight, slender, and almost spineless; makes an excellent pickle, and when ripe none excel it for making sweet pickles. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

Klondike. Excellent strain of White Spine, remarkable for the uniformly dark green skin of its shapely fruits. Popular with southern planters for shipping north. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.15, postpaid.

Vickery's Forcing. Rich, dark green in color; immense cropper. A choice variety for hothouse growers; also hard to excel for outdoor cultivation. Pkt. 10c., ½oz. 30c., oz. 55c., ¼lb. $1.90, lb. $6.50, postpaid.

EARLY FRAME. or SHORT GREEN. A popular early variety of medium size and good shape; excellent sort to produce small pickles. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.

NICHOL'S MEDIUM GREEN. Introduced by us in 1883. Color dark green; flesh crisp and tender; medium size, straight and smooth; a real handsome and prolific variety. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

EARLY GREEN CLUSTER. Short and prickly; bearing in clusters of two and three, pickles of small size, prolific; fine for bottling. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

Dandelion

Sow in May or June, in warm, rich soil, in drills ½inch deep and 1½ feet apart. Some of the plants will be ready for use in September, the remainder the following spring.

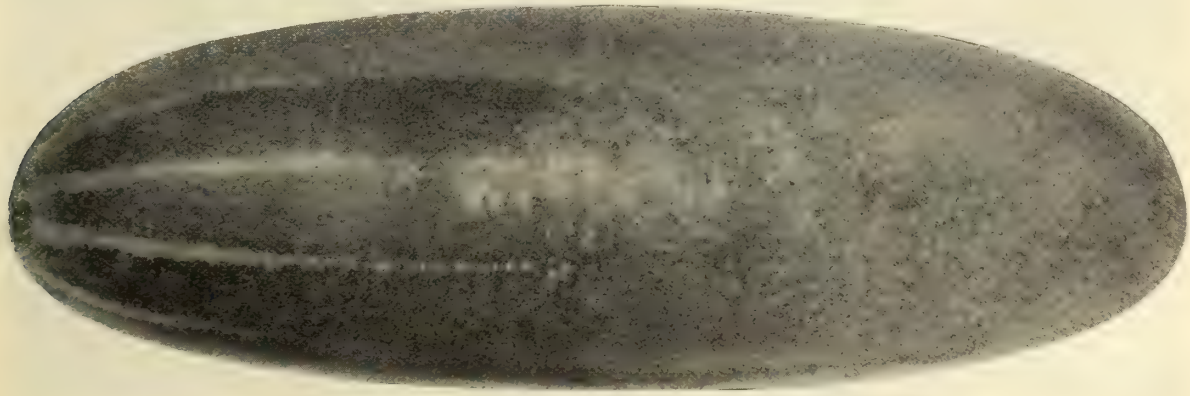
One ounce will sow 150 feet of drill

LARGE-LEAVED. Leaves fully double the size of the common Dandelion. Years of the most careful cultivation have developed a very fine strain of seed. Makes delicious greens. Pkt. 15 cts., ½oz. 40 cts., oz. 75 cts., postpaid.

COMMON CULTIVATED. Pkt. 10c., ½oz. 30c., oz. 50c.

Dill

Sow early in the spring, thinly in rows about 1½ feet apart for hand cultivation or 2½ feet apart if to be cultivated with horse. Cover seed about ½ inch. Dill is used in large quantities for flavoring cucumber pickles; also for flavoring vinegar. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.



Klondike Cucumber

Empress Celery

Sellerie Celery *Apio*

Celery Culture.—Celery can be successfully grown with but little labor, in any good garden soil, by using plenty of well-rotted manure. It delights, however, in low, moist, rich bottom land, or well-drained muck soil. It is usually grown as a second crop. Sow the seed in a hotbed or coldframe, or in the open ground, as soon as fit to work in the spring. Prepare the soil well before sowing, also keep quite moist until the seed germinates. To insure stalky plants, cut back to within 2 inches of the crown when 4 inches high. Transplanting of the early sorts should be done about June 15 and from that on to August 15, for the late varieties. Set plants in a single row, 6 inches apart, either on the level surface or in a shallow trench, giving them a good watering. The rows should be 3 feet apart where boards are to be used for blanching, or 4 feet apart where soil is used. One ounce of seed sown in flats produces about 8,000 to 10,000 plants. Plenty of seed should be used so that the best plants may be selected for transplanting.

Columbia. An early-maturing sort following Golden Self-blanching. The plant is of medium height, but very stocky and heavy. The stalks are thick, almost round, color rich yellow tint. The foliage is a light shade of green with a tinge of yellow. Quality fine. Crop very short. Pkt. 10 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.35, lb. $4.75, postpaid.

Golden Self-Blanching. This grand Celery is of French origin. It has the same self-blanching habit as White Plume, but is heavier and more compact, though not so early. Grows to good size, is very tender and free from strings, the heart large and solid, crisp, brittle, of excellent quality, and beautiful golden color.

AMERICAN-GROWN SEED FROM FRENCH STOCK SEED. Pkt. 10 cts., ½oz. 30 cts., oz. 50 cts., ¼lb. $1.75, lb. $6, postpaid.

FRENCH-GROWN SEED. From one of the most careful growers. Pkt. 15 cts., ¼oz. 35 cts., ½oz. 60 cts., oz. $1.10, ¼lb. $3.75, lb. $14, postpaid.

White Plume. Stalks and portions of the inner leaves and heart are so nearly white naturally that tying or simply drawing the soil up against the plants will complete the work of blanching. It is very ornamental. Early, of good flavor and fine texture; adapted to fall and early winter use; a fairly good keeper up to the holiday season. Pkt. 5 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. $1, lb. $3.50, postpaid.

Easy Blanching. A new variety remarkably easy to blanch, which, together with its being adapted to early use as well as storing for winter, makes it especially suitable for the home-garden. Stalks white, thick, brittle and of excellent flavor; plant strong, healthy grower. Pkt. 10 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. $1.40, lb. $5, postpaid.

Emperor. (See illustration.) Emperor is a most distinct variety of outstanding merit. It is of true dwarf type and, therefore, much easier to blanch than the taller-growing sorts. The plants average 15 to 18 inches in height, and the blanched part is 6 to 9 inches long. The stalks are smooth and very thick, some measuring ½ inch through when cut. The color is white, the heart tinged with yellow. Unsurpassed in flavor, being decidedly nutty and crisp. "The largest, most solid, and finest nut-flavored Celery grown." Pkt. 10 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. $1.50, lb. $5.50, postpaid.

Giant Pascal. Forms solid, crisp stalks of rich, nutty flavor. Of strong growth; blanches easily to a rich yellowish white and is very brittle. A fine keeper for midwinter use and an excellent shipper, retaining color and fresh appearance a long time A favorite with southern growers. Pkt. 5c., ½oz. 20c., oz. 30c., ¼lb. $1, lb. $3.50, postpaid.

WINTER QUEEN. Of short, stocky growth, with broad, heavy stalks. An excellent variety for winter use. When blanched, the stalks are of a creamy white color and very attractive. Its flavor, crispness, and long-keeping qualities combine to make this sort one of the best winter varieties. Pkt. 5c., ½oz. 20c., oz. 30c., ¼lb. 85c., lb. $3, postpaid.

A. N. Dalzell, Butler County, Ohio, writes as follows: *"I have been using your seeds for twenty years, and I find everything fine that I have ever bought from you. The Celery is just the best I can get. All of my customers think it is the finest they ever ate. The Winter Queen and White Plume are surely fine. Livingston's seeds are always sure."*

Celeriac Turnip-Rooted Celery

Sow seed the same as for Celery. Transplant into rows 2 feet apart and 9 inches in the row. Thorough cultivation is necessary to secure good roots. Earthing up is not necessary as the stalks and leaves are not used. The roots may be cooked or used as salad.

GIANT SMOOTH PRAGUE. A large, smooth variety and an excellent keeper; select stock; almost round. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 85 cts., lb. $3, postpaid.

Geo. Griesmeyer, Montgomery County, Ohio, writes as follows: *"That Golden Self-Blanching Celery I got from you surely made the finest Celery I or anyone else around here have ever seen."*

Celeriac, or Turnip-Rooted Celery

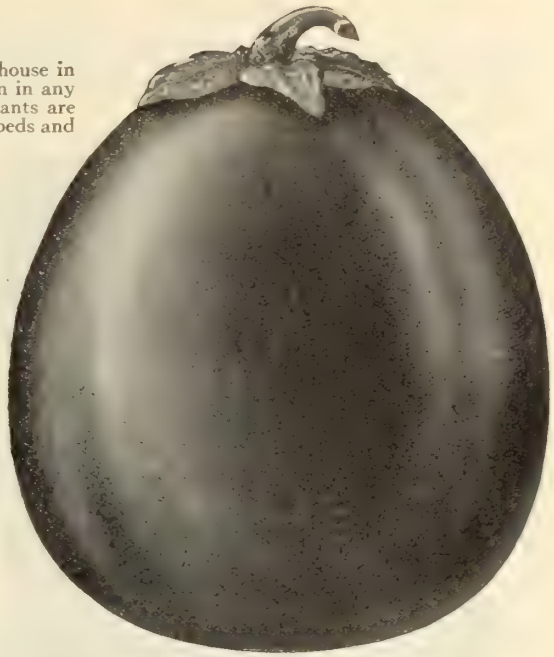
Eierpflanze **Eggplant** *Berenjena*

How to Grow Eggplant.—Sow seeds in hotbed or warm greenhouse in March or early in April; if no hotbed is at hand, they may be grown in any light room where the temperature will average 75 degrees. When plants are 2 inches high, or have formed two rough leaves, transplant them into beds and set 3 to 4 inches apart. Keep beds closed and very warm, shading from direct rays of the sun and giving an abundance of water until the ground is warm and all danger from frost and cold nights is past; then harden the plants by gradual exposure to the sun and air, and decrease the supply of water; transplant to the open ground late in May or June, into warm, rich soil, 2 to 3 feet apart each way. When about a foot high, draw the earth up to the stem.

One ounce of seed produces about 1,500 plants

Black Beauty Eggplant

NEW YORK IMPROVED LARGE PURPLE. A leading variety. Fruit very large, oval, smooth, deep purple; flesh white and of good quality. The seed we offer is a very fine strain of this popular sort. Pkt. 10 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.30, lb. $4.50, postpaid.



Livingston's Mammoth Purple Eggplant

Black Beauty. From ten days to two weeks earlier than the purple varieties, and of rich, lustrous, purplish black color. It is a distinct sort and a favorite where known. The plants are remarkably healthy in their growth and yield an abundance of large fruits. The fruit is very attractive in appearance. This variety is entirely spineless. Quality the very best. Pkt. 10 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. $1.40, lb. $5, postpaid.

FLORIDA HIGH BUSH. A large-fruited purple sort, very popular with southern growers. The fruit is held well up off the ground. A splendid shipper and finds ready sale. The plant is vigorous, quite productive, drought-resisting, and stands wet weather well. Pkt. 10 cts., ½oz. 25 cts., oz. 45 cts. ¼lb. $1.40, lb. $5, postpaid.

Livingston's Mammoth Purple. This is a splendid strain of New York Improved Large Purple. It is quite early, a sure cropper, and entirely spineless. The plants are large, vigorous, and very productive. The fruit is uniform in color and shape, very large—usually 6 to 8 inches in diameter, but sometimes specimens are grown measuring 10 inches. Skin, a handsome dark purple, smooth and glossy. Flesh white, of superior quality. Pkt. 10 cts., ½oz. 25 cts., oz. 40 cts., ¼lb $1.35, lb. $4.75, postpaid.

Endivien Salat **Endive** *Endibia o Escarola*

For an early crop, sow in April in drills 15 inches apart, and later thin the plants to stand 1 foot apart in the row. The main sowings are made in June and July. When nearly full grown, gather up the leaves and tie them by their tips to blanch the heart.

One ounce of seed will sow 150 feet of drill

LARGE CURLED PANCALIER. Erect grower; early; large; very finely curled; productive; rose-colored ribs; center so dense that it blanches itself. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

FINE GREEN CURLED. Hardy variety. Deep green leaves, beautifully cut and curled; easily blanched. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

Large Green Curled. A hardy, vigorous-growing variety with bright, deep green leaves. The dense mass of deeply divided leaves formed in the center blanches very readily to rich creamy white. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

BROAD-LEAVED BATAVIAN. Broad, thick, and slightly wrinkled leaves; form very large heads, which are much used in soups. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

R. F. Cox, Tuscarawas County, Ohio writes: *"Seeds ordered a few days ago have been received and were found to be O. K. We thank you for your promptness."*

Green Curled Endive

Garlic Sets

Garlic Sets or Bulbs are planted in early spring in rows 1 foot apart, placing the sets 4 inches apart in the rows, 2 inches deep, or in the same manner as multiplier onions. Garlic is used for flavoring purposes. Bulbs, oz. 10 cts., ¼lb. 20 cts., lb. 60 cts., postpaid.

White Vienna Kohlrabi

Kohlrabi (Turnip-Rooted Cabbage)

Kohlrabi *Col rabano o Nabicol*

The turnip-shaped bulb formed above the ground is the edible part. The flavor seems to combine that of cabbage and turnip. When young and tender they are fine for table use, when matured they keep splendidly and are excellent for feeding stock.

One ounce of seed sows 300 feet of row

EARLY WHITE SHORT-LEAVED. An extremely early sort, with very small tops, thus allowing close planting; flesh white. Fine for forcing. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

Early White Vienna. Greenish white outside, with clear, white flesh within. Fine in quality. Pkt. 5c., oz. 15c., ¼lb. 45c., lb. $1.50, postpaid.

EARLY PURPLE VIENNA. Same as above, except in the outside color. Pkt. 5 cts., oz. 25 cts., ¼lb. 75 cts., postpaid.

Dwarf Green Curled Kale

Herbs

Sweet, Pot, Culinary, and Medicinal

Herbs delight in a rich, mellow soil. Sow in early spring in shallow drills 1 foot apart; cover lightly with fine soil, and when up a few inches thin out, or transplant into prepared beds. Care should be taken to harvest properly. Do this on a dry day, just before they come into full blossom; dry quickly in the shade, pack closely in bottles or dry boxes to exclude the air. Varieties in the list marked with an * are perennials.

	Pkt.	Oz.		Pkt.	Oz.
Anise	$0 05	$0 10	***Peppermint**	$0 10	
***Balm**	05	20	***Rosemary**	05	$0 35
***Caraway**	05	10	**Sage**, page 38	10	50
***Catnip**, or **Catmint**	05	30	**Summer Savory**	05	20
***Coriander**	05	10	**Sweet Basil**	05	15
Dill, page 17	05	15	**Sweet Marjoram**	05	20
***Fennel, Sweet.**	05	10	***Thyme**	05	35
***Horehound**	05	20	***Wormwood**	05	25
***Lavender, Sweet**	05	20			

Blatterkohl Kale, or Borecole *Breton*

Kale, or "German Greens," does not form heads, but furnishes an abundance of pretty curled leaves that are highly prized as food. Sow from the middle of April to the beginning of May; transplant and cultivate like cabbage. Will endure considerable frost without injury.

One ounce of seed sows 200 feet of drill; 4 pounds sows an acre

DWARF GREEN CURLED "GERMAN GREENS," or "SPROUTS." Is very dwarf and spreading. The leaves are beautifully curled and of a bright green color. Hardy. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

Siberian Kale. Dwarf growth; bluish green leaves. Sow in September, in rows a foot apart, and cultivate the same as spinach; very hardy and makes an excellent spring greens. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.

Leeks

Porree oder Lauch Leeks *Puerro*

Cultivate the same as for onions

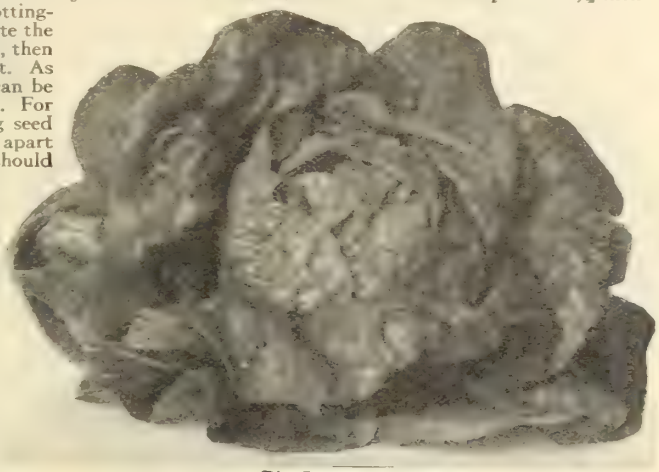
BROAD SCOTCH, or LONDON FLAG. A hardy kind; large, strong plants with broad leaves. Pkt. 5 cts., ½oz. 15 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid.

LARGE MUSSELBURGH (Carentan, or Scotch Champion). Favorite market sort of enormous size; large, broad leaves; flavor is very mild. Pkt. 5 cts., ½oz. 15 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid.

Lettuce

Culture.—For early spring use, sow in a seedbed in September or October, and protect through the winter in coldframes, or in the south with leaves or litter, or sow in a hotbed in early spring. Lettuce plants may also be started very successfully in the house in boxes which are about 5 inches deep. Make soil very fine and firm. Mark off into rows 2 inches apart and ¼ inch deep, into which sow the seed quite thinly; cover with blotting- or brown paper fitted into the top of the box. First saturate the paper with water and keep moist until the seed germinates, then remove. Expose the young plants gradually to the light. As soon as the ground outside is dry and warm, so that it can be well worked, set out the plants 8 inches apart in the rows. For outside sow very thinly in rows 1½ feet apart, covering seed ¼ inch deep with fine soil, and when well up thin to 1 foot apart in the rows. In order to have crisp, tender Lettuce, it should be grown as rapidly as possible, therefore the soil should be made very rich by liberal manuring.

One ounce of seed sows 100 square feet; plants 120 feet of row; produces 3,000 plants



Big Boston Lettuce

ICEBERG. A beautiful Lettuce, with large, curly leaves of a bright light green, with a very slight reddish tinge at the edges. Handsome heads, unusually solid because of the natural tendency of the large, strong leaves to turn in, which also causes thorough blanching. Crisp, tender and fine flavor. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

LIVINGSTON'S CRISP-AS-ICE. Introduced by us in 1895. A most beautiful, attractive Lettuce of the cabbage type. The heads are solid, of immense size when well grown, and so exceedingly crisp, tender and brittle as to fully warrant the name, **Livingston's Crisp-as-Ice.** The glossy leaves are thick, nicely crimped and curled; the outside leaves are beautifully variegated with dark brown, bronze, and green. The heads when cut open, have a rich, creamy yellow heart. A superior **family and home-market Lettuce,** and so hardy as to withstand frost very late in the season. Pkt. 5 cts., ½oz. 15 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid.

A. A. Graham, Knox County, Ohio, writes, December 2, 1921: *"I purchased Columbus Market Sweet Corn from you and wish to say it was fine—just as good as Golden Bantam, and is a wonderful producer."*

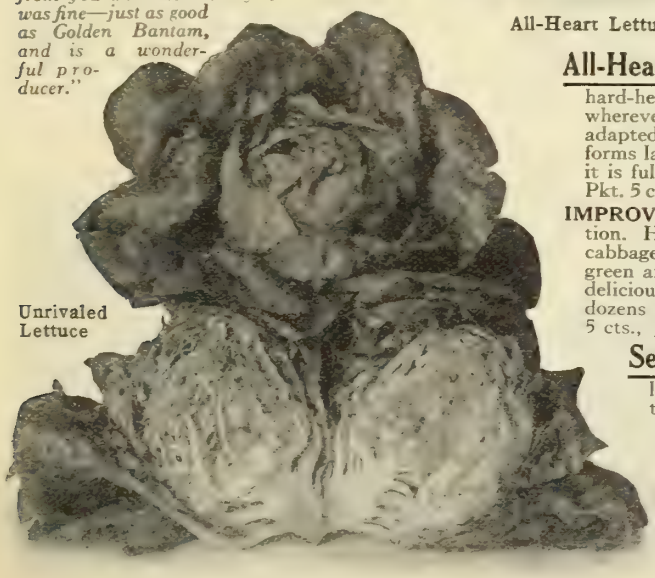
All-Heart Lettuce

Selected Big Boston.

(White-seeded.) **A very desirable large variety for forcing in coldframes and for outdoor planting.** Plants large, hardy, vigorous. Leaves broad, smooth, thin, of a light green color. One of the most popular sorts in the South for shipment to northern markets. It forms good-sized heads and does particularly well during the cool fall and spring months. Heads of a pleasing light green color, firm, and of superior quality. When grown in coldframes, the heads are not as tight as when grown outside. One of the best market varieties we know. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

All-Heart. This excellent variety of Lettuce is in favor with both private and market-gardeners. It is a very reliable, hard-heading variety of Cabbage-Lettuce and will give satisfaction wherever grown. It rarely fails to make a large, solid head and is adapted for both spring and summer use. It withstands heat and forms large heads, leaves closely set, with solid heart, even before it is fully grown. Color yellowish green; flavor rich and buttery. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

IMPROVED HANSON. None more reliable for outdoor cultivation. Heads grow to a remarkable size, resembling that of a flat cabbage. Extremely slow to run to seed. Outer leaves are bright green and beautifully frilled on the edges; inner leaves white and deliciously sweet, tender and crisp. In our trial-grounds, with dozens of other sorts, it withstood summer heat the best. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.



Unrivaled Lettuce

Selected Unrivaled. A selection from Big Boston. Heads are large, solid, and of a light green color, shading to creamy white at the center of the head. The quality is fine, having a rich buttery flavor. Selected Unrivaled is very similar in appearance to Big Boston, but does not have the red tinge at the outer edge of the leaf. Pkt. 5 cts., ½oz. 15 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid.

E. C. Lonnesberg, Wayne County, Michigan, writes, November 12: *"You will be interested to know that I am using Livingston's Crisp-as-Ice Lettuce now from my open garden, when all other varieties are frozen and gone."*

Lettuce, continued

OHIO GRAND RAPIDS. This variety was only recently introduced and already a number of the large greenhouse growers are making liberal plantings of it. It may be described as a dark-leaved Grand Rapids, but is more rank in growth. Pkt. 10 cts., ½oz. 15 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid.

May King. The May King is an early variety of Head Lettuce. It is not easily affected by cold or wet weather, grows very quickly, and produces, even in poor soil, fine medium-sized heads, early in the spring. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

PRIZE HEAD. Large heads; even the outer leaves are crisp and tender; light green, tinged with brownish red; superb flavor; very hardy; very fine for home use; too tender to ship any great distance. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

Black-Seeded Simpson. Is very popular among market-gardeners, and fine for the home table. Forms a large, loose head. Its nearly white, curly leaves are large, thin, very tender, and of good quality. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

EARLY CURLED SIMPSON. A leading early sort; does not head, but forms a compact mass of curly leaves of light yellowish green; very tender and crisp. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

Wonderful (**New York**). This splendid mammoth-heading and long-keeping variety has been grown to weigh six pounds to the head; frequently weighs two to three pounds. Heart is solid, of light green color, very sweet, tender and crisp. Long-standing; perfect heads may be cut from the same bed for many weeks. Pkt. 5 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 85 cts., lb. $3, postpaid.

O. L. Reed, of Pueblo County, Colorado, writes: *"Last July I ordered Head Lettuce seed (Wonderful) of you. Scarcity of labor and other unfavorable conditions prevented it having a fair chance. But with all these drawbacks I am now cutting very fancy stock. I never had a crop heading more uniformly or more solidly."*

Special Lettuce Collection for 10 cents

One full-sized packet each of the following: May King, Selected Big Boston, Early Curled Simpson, Deacon, for 10 cents.

Wonderful (New York) Lettuce

Selected Grand Rapids Lettuce

Selected Grand Rapids. **Especially adapted for greenhouse culture in winter; also a good Lettuce to sow outside early in the spring. Our stock of this variety is extra fine and is greenhouse as well as outdoor tested for purity.** Grand Rapids does not form a head, but makes large, compact bunches of light, attractively curled and fringed leaves. It grows very rapidly and keeps in good market condition for a long time after cutting. The seed should be sown more shallow than other sorts, otherwise it may not germinate. Our strain of Grand Rapids is extra fine, and besides we grow it in greenhouses to test for purity before sending out. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

LIVINGSTON'S LETTUCE MIXTURE. **One sowing produces salad for the season.** Contains a grand assortment of decidedly distinct and excellent Lettuces. They mature early, medium, and late; some curled and crimped, others produce heads. Colors range from almost pure white, though delicate shades of green and yellow to rich golden. All are delightfully fresh, crisp, tender and of excellent flavor. All sizes, from early to the mammoth summer varieties. Liberal pkt. 10 cts., ½oz. 20 cts., oz. 35 cts.

IMPROVED SALAMANDER. Large, compact heads; color light green, shading to white at the center; leaves thick, smooth, tender and of fine quality. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

EARLY WHITE CABBAGE, or PHILADELPHIA BUTTER. This old reliable variety is very tender, has large, solid, greenish white heads and stands the heat extremely well. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

Celery Lettuce

TRIANON COS (Romaine). This variety is the finest of the Cos or blanching sorts. The long, narrow leaves, which form solid heads, like Early Jersey Wakefield cabbages, blanch and become snowy white. Excels in quality and crispness. The leaves, when blanched, are stiff like celery, and can be eaten in the same manner. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

Walter J. Marion, Pickaway County, Ohio, writes: *"Please send us by parcel post one pound of Select Grand Rapids Lettuce seed for the greenhouse, out of the same seed that I got a few weeks ago. It is the purest Grand Rapids that I ever got. A pound of the same kind will be good enough."*

Mrs W. R. Higgs, Greene County, Pennsylvania, writes: *"Your seeds are grand. I would buy no other. The New York Lettuce simply can't be beat."*

Mrs. A. K. Gossom, Garvin Co., Okla., writes as follows: *"I have ordered my Sweet Pea seed from you for ten years, and have never had a failure. My Peas are the talk of the neighborhood."*

Muskmelons or Cantaloupes

Melon Almizeleno o Cantain
Zucker Melonen

A rich, sandy soil and good seed are absolutely necessary for success in raising the best Muskmelons. The seed should not be planted until the ground has become dry and warm; plant in hills 6 feet apart each way; old, well-rotted manure should be thoroughly mixed with the soil in each hill and in liberal quantity. Put six to ten seeds in the hill and when danger from insects is past, leave three or four of the strongest plants only. Musk or Cantaloupe Melons may also be sown in rows that are made about 6 feet apart, and when the plants are well up thinned to stand in hills 5 to 6 feet apart, just before the plants begin to run. This method requires more seed but insures a good stand of plants in spite of the bugs. Cultivate often and not deep.

One ounce will plant 60 hills; 2 to 3 pounds will plant an acre

Pollock's No. 10-25. This is an improvement in this type of melon and should take the place of Rocky Ford Pink Meat or Pollock's No. 25, Eden Gem, etc. Its merits are its uniformity of size of fruit, fine keeping and shipping qualities, and attractive appearance. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

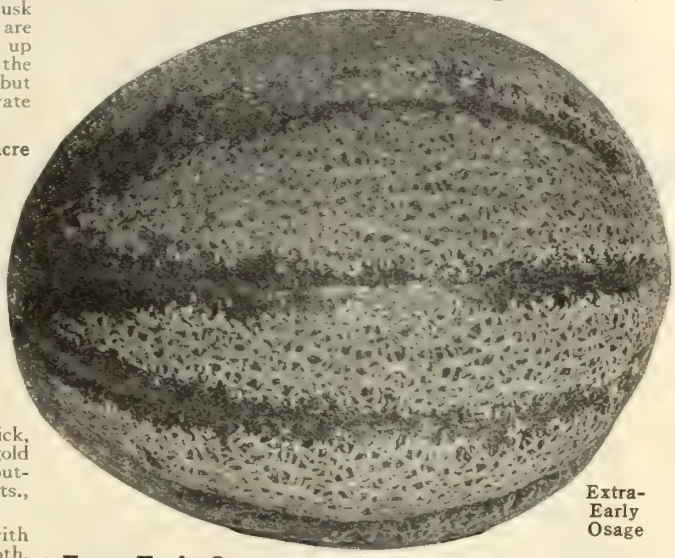
ROCKY FORD PINK MEAT (Pollock's No. 25). Beautifully netted; flesh is pink or salmon; shipping and eating qualities excellent. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

Delicious Gold-lined Rocky Ford. The shape is slightly oval, heavily netted over the entire surface. The flesh is thick, fine-grained and sweet. The color is green with a gold margin next to the seed cavity. Attractive both as to outward appearance and when cut. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

ROCKY FORD. An improved Netted Gem Melon with sweet, green flesh. Fruit small, almost round, smooth, slightly ribbed, densely covered with netting and of unequaled quality. Pkt. 5c., oz. 15c., ¼lb. 45c., lb. $1.50, postpaid.

NETTED GEM. Very early; delicious; small and round in shape. Firm, green flesh, sweet almost to the rind. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

Emerald Gem. Ripens early; medium size; nearly round; flesh a delicate light salmon color, very thick, fine-grained, and of superb flavor. The rind i thin, dark green, ribbed, slightly netted. One of the best for home use. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, ppd.



Extra-Early Osage

Extra-Early Osage. A week to ten days earlier than the old type Osage, and nearly as large; flesh very thick, salmon-colored and of high quality. Form, color and general appearance similar to Osage. One of the very best melons. Pkt. 10 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid.

EXTRA-EARLY HACKENSACK. Produces two weeks earlier than the well-known Hackensack; heavily netted, and has light green flesh of most delicious flavor. Good keeping and shipping sort. Large, fine form. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

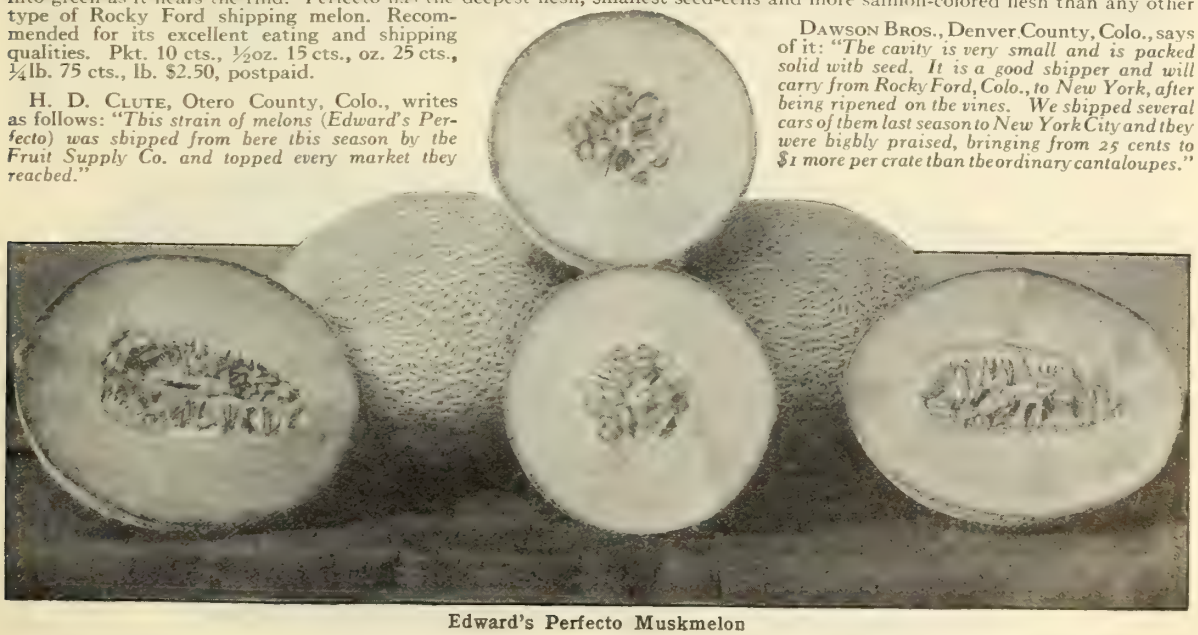
Edward's Perfecto Muskmelon

Finest Shipping Melon

The Perfecto is the last word in melons in the Rocky Ford class. Our grower of the Perfecto says of it, "Fruit very uniform in size, nearly round, and densely covered with a hard gray netting; flesh very thick and of a beautiful salmon color, shading into green as it nears the rind. Perfecto has the deepest flesh, smallest seed-cells and more salmon-colored flesh than any other type of Rocky Ford shipping melon. Recommended for its excellent eating and shipping qualities. Pkt. 10 cts., ½oz. 15 cts., oz. 25 cts., ¼lb. 75 cts., lb. $2.50, postpaid.

H. D. Clute, Otero County, Colo., writes as follows: *"This strain of melons (Edward's Perfecto) was shipped from here this season by the Fruit Supply Co. and topped every market they reached."*

Dawson Bros., Denver County, Colo., says of it: *"The cavity is very small and is packed solid with seed. It is a good shipper and will carry from Rocky Ford, Colo., to New York, after being ripened on the vines. We shipped several cars of them last season to New York City and they were highly praised, bringing from 25 cents to $1 more per crate than the ordinary cantaloupes."*



Edward's Perfecto Muskmelon

Muskmelons or Cantaloupes, continued

Livingston's Tip-Top

Livingston's Tip-Top. **Originator's Strain. Tip-top in quality, appearance and productiveness. ntroduced by us in 1892.** This splendid melon has "held its own" for many years against all introductions in the melon line, and no yellow-fleshed melon of which we have any knowledge compares with it in good qualities. The testimony of all who have used **Tip-Top** is that every melon produced, whether big or little, early or late, is a good one—sweet, juicy, finest flavor, firm (but not hard) fleshed and eatable to the outside coating. Its appearance on the market is very attractive—sells on sight. Customers soon learn to pick them out and will have no other variety. Fruit of large size, and flesh attractively bright salmon in color; slightly oblong, evenly ribbed, moderately netted, very productive. Originator's Strain, pkt. 25 cts., oz. 40 cts., ¼lb. $1.25. Ask for price on large quantities.

Extra-Early Knight (**Sweet Air**). An extremely early medium-sized melon. Fruit oblong, skin deep green, turning to golden at maturity, well covered with a close gray netting and distinctly ribbed; flesh fairly thick and very sweet; color medium green blending to light pink near the center. Quality good. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

BURRELL'S GEM (**Ordway's, or Osage Gem**). A superior orange-fleshed shipping melon. Of splendid flavor, sweet and aromatic, oblong in shape, fruits average 6 by 4 inches, smoothly rounded ends closely netted and slightly ribbed, dark green skin. The rind is thin; flesh deep rich salmon. Very fine for marketing. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

Hoodoo (**Hearts of Gold**). The vine is quite vigorous, blight resisting and is very productive. The fruits vary slightly in shape, averaging nearly round. The netting is distinctive in being exceptionally dense and fine, and it extends over practically the entire surface. The rind, although thin, is so very firm that the Hoodoo is one of the best shipping sorts. Flesh salmon, very thick, highly colored, of finest texture, and delicious flavor. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

HACKENSACK (**Turk's Cap**). A very large, green-fleshed melon of good quality; nearly round but flattened on the ends. Ribs are deep and the surface is covered with a dense netting. Hardy and productive. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

Osage (**Miller's Cream**). A favorite salmon-fleshed variety. Large, oval, slightly ribbed and netted; skin is very dark green. Flesh is very thick and sweet flavored, most delicious to the rind. The whole crop is very even and fruit extra heavy. A great favorite for market purposes and home-garden. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

Greeley Wonder. This melon came to our notice a few years ago at Greeley, Colo., and we at once saw its merits. Melons are quite large, averaging four to five pounds; nearly round and having a very heavy netting. Flesh is quite thick and fine grained. It has salmon flesh equal to that of Osage in quality. We would class it among the later-maturing sorts. Anyone desiring a large salmon-fleshed melon of quality will be pleased with it. Pkt. 10 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

Livingston's Ohio Sugar. **A Green-fleshed Tip-Top. Introduced by us in 1908. Livingston's Ohio Sugar Melon** is an absolutely distinct and very superior melon. It is the result of years of most careful and painstaking selection and breeding. It is one of the sweetest and most luscious green-fleshed Cantaloupes now on the market. It is of that desirable size in demand in all markets, round, inclined to oval in shape, heavy in proportion to size because the flesh is deep. It is distinctly ribbed and well netted—color of skin grey-green. Because of its firm flesh and solidity, it is a splendid shipper. Seed cavity is small. It is the rarest exception that an under-quality melon is found. The flesh is an attractive green of exquisite texture, sugary, juicy, tender, and entirely free from stringiness. Handsome and uniform shape; market and home-garden melon. Produces good melons on a great variety of soils. Pkt. 10c., oz. 15c., ¼lb. 50c., lb. $1.75, postpaid. By express, not prepaid, 5 lbs. $8.

Honey Dew. Its name has been well chosen, as it is about as sweet as honey. The average size is about 6 inches in diameter, and they weigh five to six pounds. The skin is smooth with little netting, and of creamy yellow when ripe. It is very thick, melting, fine grained and can be eaten almost to the rind; the seed cavity is quite small. We offer Honey Dew in both Green and Salmon Flesh.

Green Flesh. Pkt. 10 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid.

Salmon Flesh. Pkt. 10 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid.

PERFECTION (**Princess**). In size weighing from eight to ten pounds with dark green skin but heavily netted; flesh a rich orange color; very sweet. A medium late main-crop sort adapted to home markets and use. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

LONG ISLAND BEAUTY. Fruits are large, ribbed and heavily netted. Flesh a clear green and of high quality. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

ACME (**Baltimore Nutmeg**). Has a beautiful, heavily netted, green skin; good size; shape is oval, slightly ribbed; flesh thick, green, smooth, very finely flavored. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

BANANA. Very odd; 18 to 21 inches long. Yellow flesh, blending from bright green to rich salmon. Fragrant and of very fair quality. Early. Pkt. 10 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

Greeley Wonder

Irish Grey Watermelon

Wassermelon Watermelons *Sandias*

A light, sandy soil, with good exposure to the sun, is the best situation to plant Watermelons. The ground should be prepared deeply, but receive shallow cultivation. Hoe often and very thoroughly. If extra-large Watermelons are desired for exhibition purposes, leave but one or two on a single vine. Plant in hills 8 to 10 feet apart each way, with a very generous shovelful of well-rotted manure mixed with the soil in each hill. If commercial fertilizer is used, it should contain a large percentage of ammonia and potash. Plant eight to ten seeds in each hill, and finally, when danger from insects is past, thin out to three strong plants.

Owing to the large size of Watermelon seeds, the ounce size packets are about right for small gardens. One ounce of seed will plant 20 to 30 hills; 4 to 5 pounds will plant an acre

Tom Watson. An extra-long melon of attractive appearance, uniform in shape and quality. The luscious crimson flesh is "as sweet as honey," melting, and of superb flavor. The average melon will weigh 35 to 40 pounds and measure about 24 inches long and about 10 inches in diameter. It is very prolific, producing in greatest abundance the large, delicious fruits. (See illustration of specimen fruit.) We have the greatest faith in the **Tom Watson** and believe it is one of the very best Watermelons ever offered. Introduced only a few years ago, it has already taken a leading place with large melon-growers and shippers. We sell twice as much Tom Watson seed as any other variety. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 80 cts., postpaid. By express, not prepaid, 5 lbs. $3.25, 10 lbs. $6, 100 lbs. $50.

SWEETHEART. Splendid for shipping—popular in the South. It is hard to beat as to quality and productiveness, and is a splendid shipper. Oval, very heavy, and with a rind which is very thin, but firm. In color it is a light green, slightly veined with a darker shade. The flesh is a bright red, very tender and sweet. Pkt. 5c., oz. 10c., ¼lb. 25c., lb. 80 cts., postpaid. By express, not prepaid, 5 lbs. $3.50.

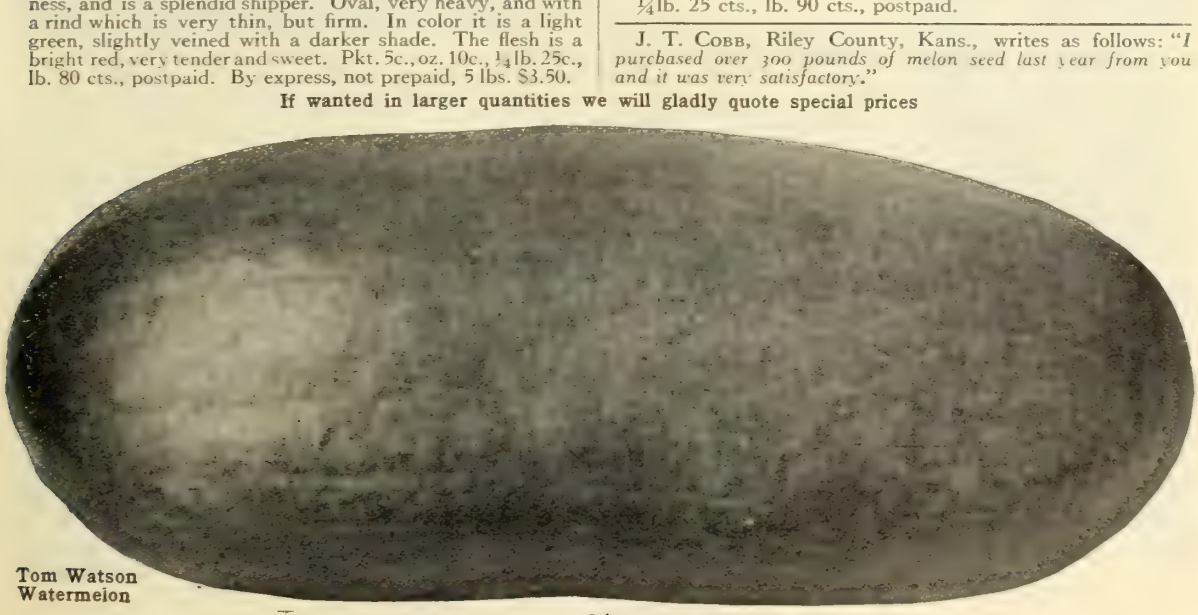
Irish Grey. (New.) This new melon has been offered for a few seasons only, and is already becoming popular. The vine is very vigorous and holds up well, producing fruit until late summer. The rind is greenish grey in color, thin but very tough, hence a good shipper. Flesh is beautiful red and free from stringiness. Shape and size similar to Tom Watson. Well adapted for either market or home use. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, ppd.

ALABAMA SWEETS. Large, dark green melons of oblong shape and fine quality; skin faintly netted with lighter green stripes. Flesh bright red, of delicious flavor. A good shipper. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts., ppd.

Halbert Honey. A very sweet, long, dark green variety. Fruits average 18 to 20 inches long, have a thin rind and deep red meat of delightfully delicious flavor; pulp entirely free from stringiness; seeds white. One of the finest for the home-garden. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 90 cts., postpaid.

J. T. Cobb, Riley County, Kans., writes as follows: "*I purchased over 300 pounds of melon seed last year from you and it was very satisfactory.*"

If wanted in larger quantities we will gladly quote special prices



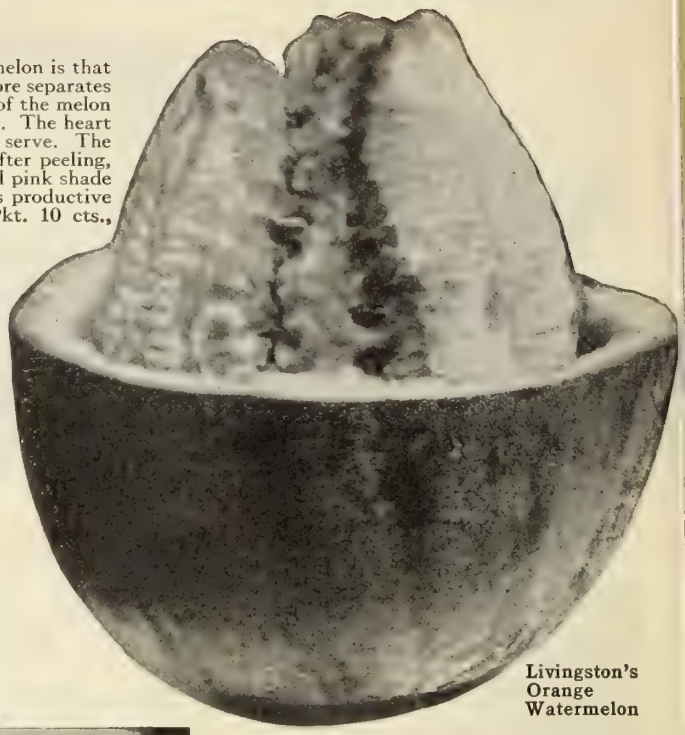
Tom Watson Watermelon

Watermelons, continued

Livingston's Orange. The peculiarity of this fine melon is that when well ripened the inner core separates from the rind. Frequently one can lift the entire heart of the melon out of the shell or rind by carefully cutting the rind only. The heart may then be divided in sections of convenient size to serve. The inner portion of the melon quite resembles an orange after peeling, hence the name. The flesh of this melon is of a beautiful pink shade and of very fine quality. It grows to a medium size, is productive and, taken altogether, is a very desirable variety. Pkt. 10 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

Kleckley's Sweet. **Also known as Monte Cristo. A great melon for home and nearby markets.** This splendid Watermelon has certainly become very popular wherever it has been thoroughly tested. It is of superb luscious flavor. While the skin is, perhaps, too thin to admit of the melons being shipped very great distances to market, it is most desirable to plant for home use or local markets. The melons themselves are very large, oblong in form, with dark green skin, thin rind, which is very brittle. Flesh is bright scarlet, with solid heart, deliciously crisp, sugary and splendid in every way. The melons average from 18 to 20 inches in length by 10 to 12 inches in diameter; of handsome appearance; ripen early, and are most desirable for the home-garden. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 85 cts., postpaid. By express, not prepaid, 5 lbs. $3.50, 10 lbs. $6.50.

Chilian. A new white-seeded melon of fine quality, with a reputation already established in the Pacific States, and Old Mexico, and will, no doubt, become very popular elsewhere when it is better known. Fruits medium size, nearly round, or slightly oblong. Skin rich, deep green, indistinctly mottled and striped with a lighter shade. Flesh bright red, remarkably fine grained, firm and sweet; quality second to none. A good shipping melon, and keeps exceptionally well. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.



Livingston's Orange Watermelon

GEORGIA RATTLESNAKE, or STRIPED GYPSY. Very large, long, smooth and distinctly striped; flesh bright scarlet, very crisp and sweet. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

COLE'S EARLY. Very hardy; a sure cropper for northern states. Delicate in texture of flesh, which is dark red; rind green, striped with lighter shades, thin and very brittle; of medium size, and nearly round; matures early; especially good for home use. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

ROUND DARK ICING. One of the sweetest of all Watermelons. Very solid, thin rind; rich red flesh. Quite early and noted for its splendid quality. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 85 cts., postpaid.

ROUND LIGHT ICING. The fruits are small-medium, nearly round, greenish white, slightly veined or dotted with light green. The flesh is bright, light red, very sweet and tender. Seed white. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 85 cts., postpaid.

PHINNEY'S EARLY. One of the first to ripen; of good size and very productive; oblong; rind a distinct mottled color; flesh deep red; quality excellent. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 85 cts., ppd.

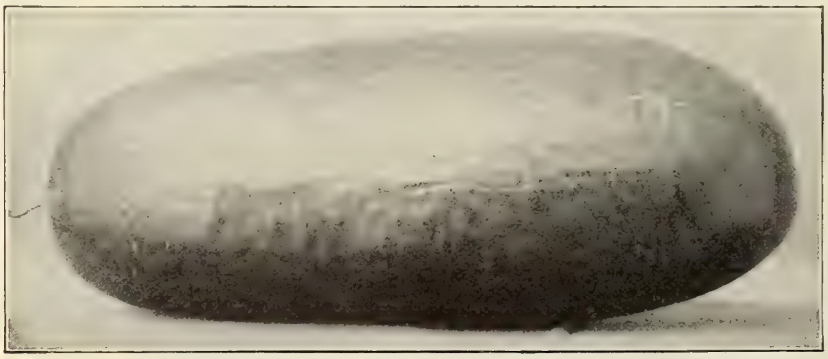
PEERLESS. One of the best for home-gardens and market-gardeners who deliver direct to customers. Medium size; flesh red, tender and delicious. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 90 cts., postpaid.

HARRIS' EARLIEST. One of the earliest good Watermelons. Large, oval sort, with mottled skin; sweet, tender flesh. Pkt. 5c., oz. 10c., ¼lb. 25c., lb. 80c., postpaid.

Ice Cream. **True White-Seeded.** The great kitchen-garden and home-market Watermelon. This old standby has too thin a rind for shipping unless packed in straw. Few varieties, if any, surpass a true Ice Cream Watermelon for quality and productiveness. Of good size; medium early; fruit oblong; rind light mottled green; bright red flesh, and solid to the center; melting and delicious. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 85 cts., postpaid. By express, not prepaid, 5 lbs. $3.50.

FLORIDA FAVORITE. A splendid oblong melon; ten days earlier than Kolb's Gem. Skin dark green, slightly mottled, with still deeper shade; flesh dark red and of the finest flavor and quality. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

FORDHOOK EARLY. The earliest and best melon of good size. Next to Cole's Early in time of ripening, but much larger. Fruit round; skin dark green; flesh is bright red, of fine quality. Good shipper. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 85 cts. postpaid.



Ice Cream Watermelon

FRED SHIVELY, Delaware County, Ohio, writes: *"We received first prize for the largest Watermelon of Tom Watson variety. The seed was bought of you two years ago and it was exhibited at the Pumpkin Show at Delaware, Ohio."*

Watermelons, continued

GREY MONARCH. Long Light Icing. Very large; oblong in shape; crimson, sweet flesh. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 85 cts., postpaid.

PRESERVING CITRON. Red-seeded. Most desirable for preserves; flesh solid and white. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 90 cts., postpaid.

J. J. Anderson, Lake County, Ohio, says: *"I am sending you, as usual, my little order for hotbed and will, I hope, be in line for a worth-while order later, as soon as I get organized for the season's business. I assure you that I am more than pleased, both with your service and quality of stock sent out."*

American Pure-Culture Mushroom Spawn

Seta Mushroom Spawn *Champignonbrut*

Mushrooms will usually do well almost anywhere if a fairly uniform temperature can be maintained. One brick of Spawn is sufficient for a bed 2 x 6 feet. We receive fresh Spawn several times a year from the best growers.

Southern Giant Curled Mustard

American Pure-Culture Spawn. Produced by the new grafting process from selected and most prolific varieties. Produces a crop very uniform in size and color. Per brick, 40 cts., postpaid. By express or Parcel Post, not prepaid, 5 bricks, $1.30, 25 bricks, $6.25.

CULTURAL LEAFLET WILL BE SUPPLIED ON APPLICATION

Senf Mustard *Mostaza*

The leaves are used as a salad or may be boiled like spinach. Sow seed in any good garden soil early in the spring, in rows 1½ to 2 feet apart and when well up thin out the plants so as to stand 8 to 10 inches apart. By making several sowings a week or so apart, the fresh tender leaves may be had throughout the season.

One ounce of seed will sow 50 feet of row

Southern Giant Curled. Is highly esteemed in the South, where the seed is sown in the fall and plants used early in spring as a salad. Seeds brown. Plants are 2 feet high and produce large bunches of tender green leaves. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.

Fordhook Fancy. The plants, of vigorous growth, have beautiful, dark green, curled leaves. It is most productive from early spring sowings, and stands well, even during the hot summer months. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

CHINESE. A giant curled variety with leaves of large size. The quick growth insures tenderness and mildness of flavor. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 85 cts., postpaid.

WHITE ENGLISH. Leaves are light green, mild, and tender when young. Seed light yellow in color and is used in pickles. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 85 cts., ppd.

Okra, or Gumbo

Very wholesome. The pods, when young, make fine soup and are also used in mixed vegetable soups. Plant seed after the ground is warm and dry in drills 3 feet apart, thinning the young plants to 1 foot apart. Make early and late sowing to secure a supply throughout the season. Easy to grow in any good garden soil.

One ounce of seed will sow 40 feet of drill

White Velvet. Distinct in appearance; the large pods are perfectly round, smooth, and attractive velvety white, of superior flavor and tenderness. Plant dwarf, of compact branching growth; very prolific. Pkt. 5c., oz. 10c., ¼lb. 25c., lb. 75c., postpaid.

Perkins' Mammoth. Plant dwarf; is very attractive. Produces beautiful, long, slender, deep green pods, which remain tender a long time. An extra-good variety. (See illustration alongside.) Pkt. 5c., oz. 10c., ¼lb. 25c., lb. 75c., postpaid.

Kleckley's Favorite. Plants are of compact growth, with many close joints. At each leaf-joint develop handsome, smooth, white pods which average 6 inches long by 1 inch in diameter. They are exceptionally fleshy and tender. Pkt. 5 cts. oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

Perkins' Mammoth Okra

Choice Onion Seeds

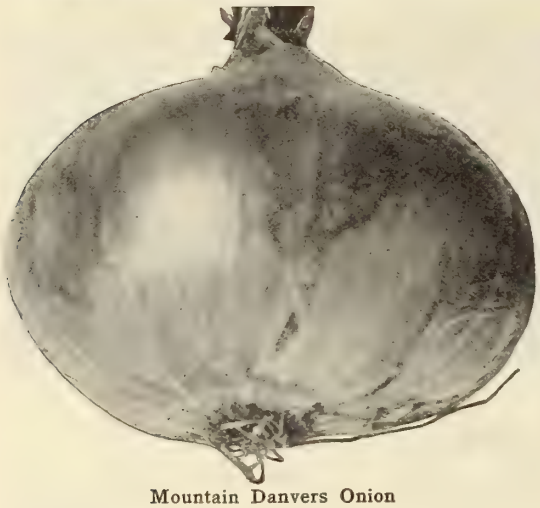
Zwiebeln *Cebollas*

Culture.—Onion seed should be sown as early in the spring as possible to get the ground in shape, even though the weather is cold. Thorough preparation of the soil is one of the most essential points in successful Onion-growing. Onions delight in a rich, deep, sandy loam, but excellent yields can be obtained from heavier soils properly fertilized. Sow the seed in drills 12 to 14 inches apart and about ¼ to ½ inch deep. After they are well started, or about 3 to 4 inches high, thin out to stand 2 to 4 inches apart, keeping them well hoed and free from weeds at all time.

Complete cultural leaflet free to customers

SOUTHPORT YELLOW GLOBE. Produces large, perfectly globe-shaped bulbs. Color of the skin is brownish yellow. Flesh white, fine-grained and crisp. Quite similar to Yellow Globe Danvers, but a little later and of larger size. Pkt. 5 cts., ½oz. 15 cts., oz. 25 cts., ¼lb. 70 cts., lb. $2.25, postpaid. By express, not prepaid, 5 lbs. $8.50, 10 lbs. $16.

YELLOW FLAT DANVERS. A splendid extra-early yellow Onion for market or home use, and for sets. Flatter than the Globe Danvers; long keepers; flesh white, fine quality. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.



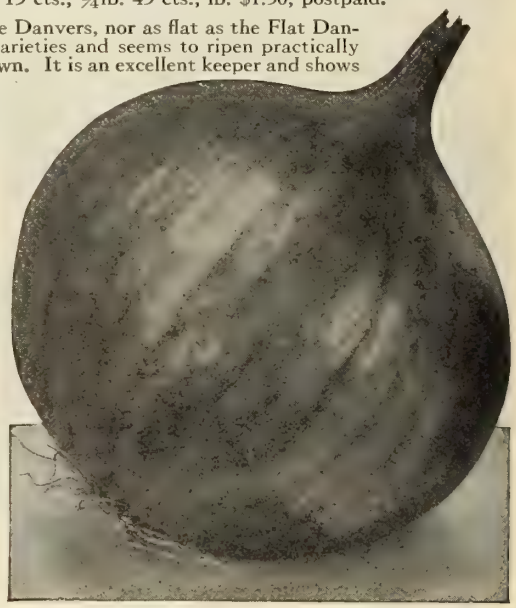
Mountain Danvers Onion

New Mountain Danvers. This new sort is not as round as Globe Danvers, nor as flat as the Flat Danvers. It is one of the very earliest varieties and seems to ripen practically all the crop at once. Color is a beautiful dark yellow, shading to brown. It is an excellent keeper and shows less shrinkage than any other variety. The skin is thick and heavy, which makes it a good keeping and shipping sort. Grown for us on contract in Colorado, in altitudes which are peculiarly adapted to producing onions of extreme earliness and hardiness. A fine sort to grow for sets on account of its good keeping qualities. Pkt. 10 cts., ½oz. 15 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid.

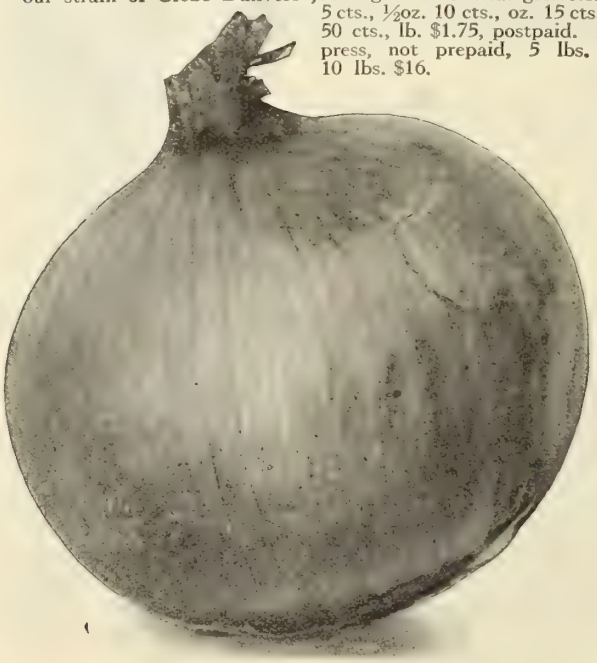
YELLOW DUTCH, or STRASBURG. One of the most popular varieties for growing yellow Onion sets. It is also a good-keeping, half-round sort for home use. We have a superior strain of this popular variety. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, ppd.

AUSTRALIAN BROWN. This variety has become very popular because of its good keeping qualities. The bulb is medium-sized, nearly spherical, being slightly flattened; reddish brown in color and very solid. One of the best for growing small, round, hard, long-keeping sets. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

YELLOW GLOBE DANVERS. Of large size, an early and abundant cropper, very thick bulb, flat or slightly convex bottom, full oval top with a small neck and rich brownish yellow skin. We consider our strain of Globe Danvers just right for critical growers. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid. By express, not prepaid, 5 lbs. $8.50, 10 lbs. $16.



Ohio Yellow Globe Onion



Mammoth Prizetaker Onion

Ohio Yellow Globe. **Sure Cropper; Long Keeper; Early.** This fine strain is of that extreme type of Globe now so deservedly popular in all large Onion markets. Its main points of excellence are: **Distinct and attractive shape; handsome, bright, even color; necks very small; ripens early and all at once.** The solid bulbs are **excellent winter keepers,** and all that can be desired in size and quality. This is a superb Onion for all classes of soil (well enriched). Pkt. 5 cts., ½oz. 10 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid. By express, not prepaid, 5 lbs. $9.75, 10 lbs. $18.50.

Mammoth Yellow Prizetaker. Enormous size—15 to 16 inches in circumference. Is hardy and a good keeper for one of such mild flavor. It ripens up firm and very fine grained. Skin rich yellow, flesh white. Has produced more bushels of marketable Onions to the acre than any other variety. Often grown by the transplanting method. Our seed stock is American grown. Pkt. 5 cts., ½oz. 15 cts., oz. 25 cts., ¼lb. 70 cts., lb. $2.25, postpaid.

George W. Sutherland, Genesee County, Mich., writes: "*It is a pleasure to again send my order to you. I had wonderful results from your seeds last year and it was a pleasure to recommend them to my many friends, as they admired the product. My motto is to have the best, and for this reason I am again getting Livingston's 'True Blue' Seeds, which deserve the name.*"

Onions, continued

Southport White Globe. The handsomest Onion grown. Of beautiful silvery white, perfectly globe-shaped, uniform in size. Flesh firm, fine-grained, solid, and of pleasant flavor. Very small neck. Our stock of this important variety has been giving good satisfaction. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. $1, lb. $3.50, postpaid.

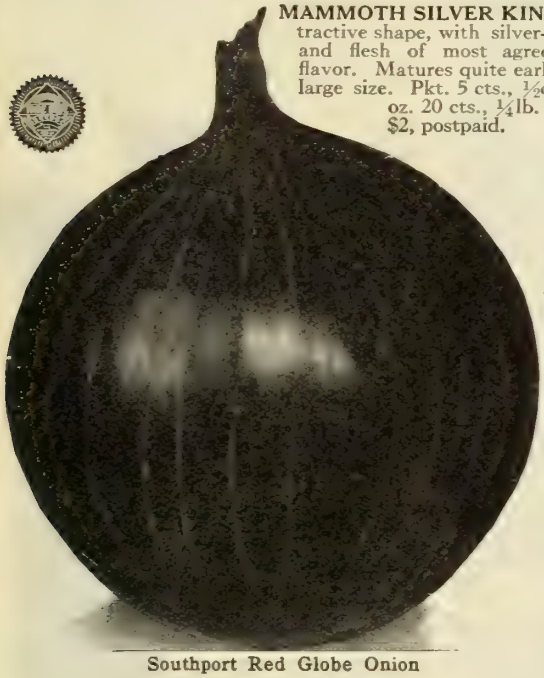
Philadelphia White Silverskin. A good-sized white variety when full grown, and makes a most beautiful, firm, round, white Onion set, for which it is very extensively grown the country over. Pkt. 10 cts., ½oz. 15 cts., oz. 25 cts., ¼lb. 75 cts., lb. $2.50, postpaid.

WHITE PORTUGAL, or SILVERSKIN. Matures early; rather flat in shape; mild flavor, excellent for winter; very much esteemed for pickling when small. Pkt. 10 cts., ½oz. 15 cts., oz. 25 cts., ¼lb. 70 cts., lb. $2.25, postpaid.

Indiana Silverskin. This is a strain of pure white Onion that produces round, hard Onion sets, for which we highly recommend it to you. The bulbs when fully matured are flat and one of the best keeping white varieties. Pkt. 10 cts., ½oz. 15 cts., oz. 25 cts., ¼lb. 70 cts., lb. $2.25, postpaid.

MAMMOTH SILVER KING. Of attractive shape, with silver-white skin and flesh of most agreeable mild flavor. Matures quite early and is of large size. Pkt. 5 cts., ½oz. 15 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid.

Southport White Globe Onion



Southport Red Globe Onion

EXTRA-EARLY WHITE BARLETTA. The very earliest Onion in cultivation. One of the best for pickling, being naturally quite small. Pure white, mild and delicate. Pkt. 5 cts., ½oz. 15 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid.

Southport Red Globe. The handsomest of all the red Onions; large and of perfect shape. Red Globe is the largest of the Southport Onions, ripening from a week to ten days after the yellows. The bulbs are remarkably uniform in shape, of a rich red color, ripen evenly and yield a large percentage of marketable Onions. Flesh pinkish white. They ripen down hard, keep well, and their beautiful appearance helps to sell them. Southport Red Globe will yield a heavier crop than the Yellow or White Globe. Our strain of the Red Globe is unsurpassed. Pkt. 5 cts., ½oz. 15 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid.

LARGE RED WETHERSFIELD. This is a standard red variety. Large size; skin deep purplish red; form round, somewhat flattened; flesh purplish white. One of the best keepers. A great yielder. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

EXTRA-EARLY RED. Medium size; very uniform in shape; smaller than Large Red Wethersfield, but two weeks earlier; good keeper; desirable for early market and planting in the North. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

Onion Sets

Our Set Prices are based on the present market rates and are **subject to market changes.** It is impossible for us to make fixed prices. Lowest market prices on large or small quantities will be given on application at any time. A pound of Sets is equal to about a quart measure.

Early green Onions are obtained much earlier by setting out sets than by sowing seed. Some of the latter, however, should be sown to follow the crop grown from the Onion Sets. Plant both Onion Sets and Seed as soon as the ground is warm and dry in the spring.

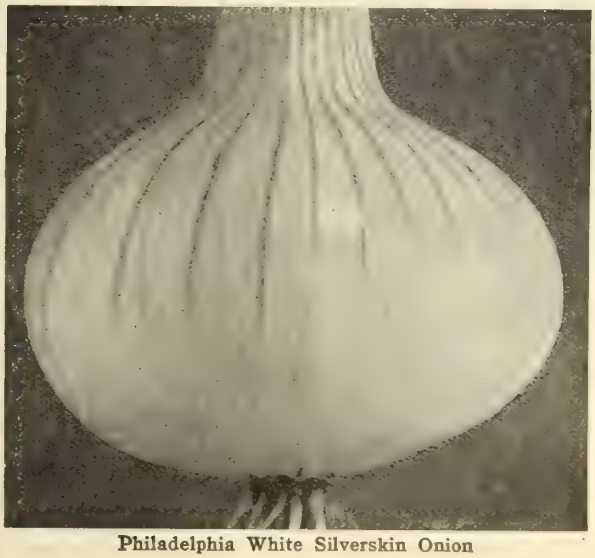
WHITE MULTIPLIERS. Pure, silvery white, enormously productive, frequently 20 bulbs in a cluster from a single bulb. Of excellent quality and size for bunching green, or can be ripened for pickling Onions. Remarkably good keeper; very early. ½lb. 20 cts., lb. 35 cts., postpaid. By express, not prepaid, 5 lbs. $1.25, 10 lbs. $2.25.

WHITE BOTTOM SETS. ½lb. 20 cts., lb. 35 cts., ppd.

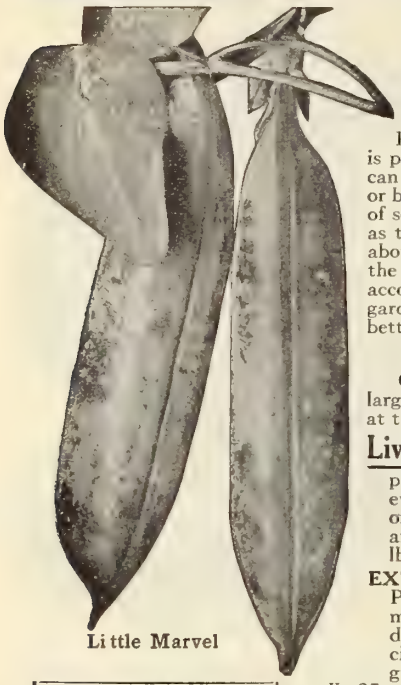
RED BOTTOM SETS. ½lb. 20 cts., lb. 35 cts., postpaid.

YELLOW BOTTOM SETS. ½lb. 20 cts., lb. 30 cts., ppd.

Ask for prices on large quantities of Sets



Philadelphia White Silverskin Onion



Little Marvel

Garden Peas

Erbsen *Chicaros o Guisantes*

Peas thrive better if the ground has been manured for a previous crop, but if the ground is poor and requires enriching, use well-rotted manure, and for the dwarf varieties you can hardly make the soil too rich. When grown as a market crop, Peas are seldom staked or bushed, but are sown in single rows 3 to 4 inches deep, the depth depending on the time of sowing, nature of the soil, as well as the variety. Wrinkled varieties are not so hardy as the smooth sorts, and if planted early should have dry, warm soil, and covered only about 1 inch, or they are liable to rot in the ground. These wrinkled varieties are, however, the sweetest and best flavored. Rows for planting should be from 2½ to 3½ feet apart, according to the kind, soil, and manner of culture desired. When grown in the kitchen garden it is best to sow the seed in double rows, 6 to 8 inches apart, the tall sorts doing better on trellis or brush.

Two pounds sow 100 feet of row; 1½ bushels will sow an acre

OUR PEA PRICES include postage up to and including two pounds. If any of the larger amounts are wanted sent by mail it will be necessary to remit extra to cover postage at the parcel post rates. See page 1.

Livingston's First-in-Market. Comes into bearing about a week earlier than Prolific Early Market. An excellent variety, very profitable for the gardener and shipper because it ripens uniformly, so that almost every pod may be gathered at one picking. The pods are handsome, straight, and full of medium-sized round Peas of superior quality. It is immensely productive for such an early sort. One of the finest strains of extra-early Peas. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.40, 14 lbs. $2.50.

EXTRA-EARLY ALASKA. The earliest of all blue Peas. Grows about 30 inches tall; very uniform in maturing the crop. Of good quality and retains that desirable green color after cooking. Our strain is especially fine, having been carefully selected by our grower for many years. Pkt. 10 cts., ½lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts., postpaid. By express, not prepaid, 7 lbs. $1.25, 14 lbs. $2.15.

Peter Pan

Little Marvel. This Pea has been rightly named. It is an early wrinkled Pea, grows about 12 to 15 inches tall, and bears heavily. There is no earlier wrinkled Pea and the quality satisfies everybody. Pods dark green, 3 inches long, round with square end and often contain seven rich, dark green Peas. Pkt. 10 cts., ½lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts., postpaid. By express, not prepaid, 7 lbs. $1.50, 14 lbs. $2.75.

PREMIUM GEM. A fine extra-early dwarf Pea. Pods are light green, round, with blunt end, having an average of six light green Peas of good quality. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.40, 14 lbs. $2.50.

AMERICAN WONDER. A leading dwarf wrinkled Pea, esteemed for earliness, productiveness, and quality. Robust in habit, growing about 10 inches high, and produces a profusion of good-sized pods, which are fairly packed with the finest flavored Peas. Pkt. 10 cts., ½lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts., postpaid. By express, not prepaid, 7 lbs. $1.50, 14 lbs. $2.75.

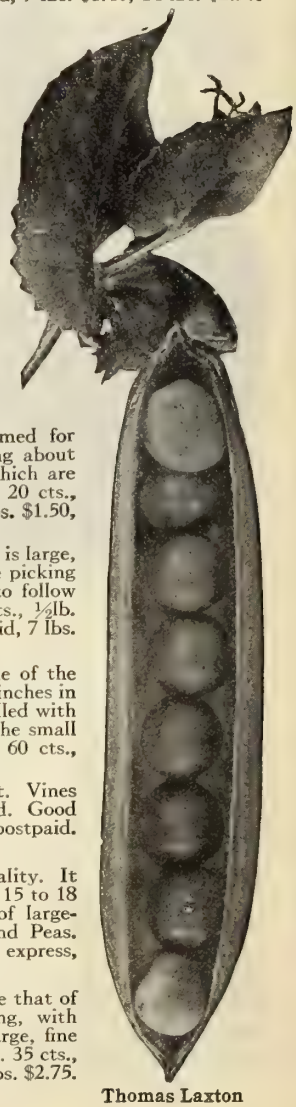
MARKET SURPRISE. A Large-podded Extra-Early. The pod is large, measuring about 3¼ inches in length, and ¾ inch in width; the picking season a little longer than that of First-in-Market. As a sort to follow Extra-Early Alaska, it will prove a dandy good one. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.40, 14 lbs. $2.50.

CARTER'S EIGHT WEEKS. As the name indicates, this is one of the very earliest sorts. The vine is very dwarf, growing only 8 to 10 inches in height and is very uniform. The pods while not large, are well filled with Peas of good quality. This is an exceptionally fine variety for the small kitchen-garden. Pkt. 10 cts., ½lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts., postpaid. By express, not prepaid, 7 lbs. $1.50, 14 lbs. $2.75.

ENGLISH WONDER. An early wrinkled variety of dwarf habit. Vines grow about 27 inches high; pods 3 inches long and are well filled. Good quality. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.40, 14 lbs. $2.50.

Peter Pan. Produces large pods filled with Peas of highest quality. It has vigorous, large, dark foliage and stands about 15 to 18 inches in height. Peter Pan is the "last word" in this class of large-podded, dwarf-growing sorts, with dark green foliage, pods, and Peas. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., postpaid. By express, not prepaid, 7 lbs. $1.60, 14 lbs. $2.85.

Thomas Laxton. The vine grows about 3 feet high, much like that of the Gradus, or Prosperity. Pods large, long, with square ends, uniformly well filled. The green Peas are very large, fine colored and unsurpassed in quality. Pkt. 10 cts., ½lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts., postpaid. By express, not prepaid, 7 lbs. $1.50, 14 lbs. $2.75.



Thomas Laxton

Ask for prices on Peas in large quantities. It will pay you

Peas, continued

Livingston's Prolific Early Market. None of the numerous extra-earlies compare with Livingston's Prolific Early Market in length of pod, number of Peas in a pod, or number of pods to the vine. Many single plants yield forty to fifty fully developed pods. The quality is the very best, one of the sweetest and finest flavored of the early smooth varieties. Vines grow about 30 inches in height. Large pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.40, 14 lbs. $2.50.

Pioneer. A new large-podded early wrinkled Pea of great promise. The vines are extremely vigorous, growing 15 to 18 inches high, with dark green pods 3¾ inches long which are filled with big Peas of delicious flavor. It is one of the earliest wrinkled Peas, coming about the same season as Gradus, but a heavier cropper. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., postpaid. By express, not prepaid, 7 lbs. $1.65, 14 lbs. $3.

Laxtonian. This is a giant-podded, early dwarf Pea—the same size and quality as Gradus, but more dwarf. It is really a dwarf Early Telephone in size, quality, and appearance. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., postpaid. By express, not prepaid, 7 lbs. $1.65, 14 lbs. $3.

TELEPHONE. A favorite late variety for the market gardener. Extra-large pods. Vine large, with coarse leaves; height about 4 feet. The light green pods are very large and filled with large Peas. Tender, sweet and of splendid quality and flavor. Pkt. 10c., ½lb. 25c., lb. 40c., 2 lbs. 70c., postpaid. By express, not prepaid, 7 lbs. $1.50, 14 lbs. $2.75.

STRATAGEM. The vines are strong, vigorous and covered with immense pods, 5 inches in length and containing as high as ten large, richly flavored wrinkled Peas. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.35, 14 lbs. $2.40.

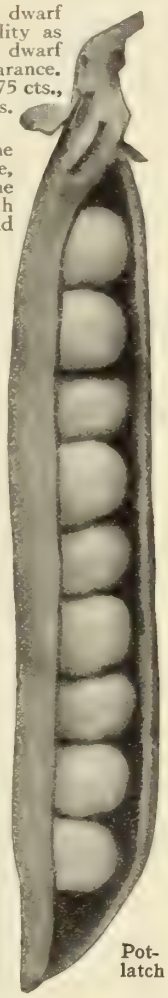
Alderman

LIVINGSTON'S PROLIFIC GIANT-PODDED SUGAR. Vines are about 3 to 4 feet in height. The pods are gigantic in size, broad, sweet, and tender, extremely fleshy and unequaled for cooking, pods and all. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 2 lbs. 85 cts., ppd. By express, not prepaid, 7 lbs. $2, 14 lbs. $3.75.

Alderman (**Dark-podded Telephone**). A late wrinkled variety growing 4 to 5 feet high and bearing freely large pods of a dark green color and on this account considered by many, superior to Telephone. Quality extra fine. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.50, 14 lbs. $2.75.

SUTTON'S EXCELSIOR. A fine wrinkled Pea, quite hardy and may be planted with the hard-seeded varieties. The plants are dwarf (about 15 inches high), of vigorous growth and productive. Pods light green, 3½ inches long, straight and square ended, containing seven or eight bright green Peas, and the quality is all that could be desired. Matures within a few days of Nott's Excelsior. Pkt. 10 cts., ½lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts., postpaid. By express, not prepaid, 7 lbs. $1.30, 14 lbs. $2.25.

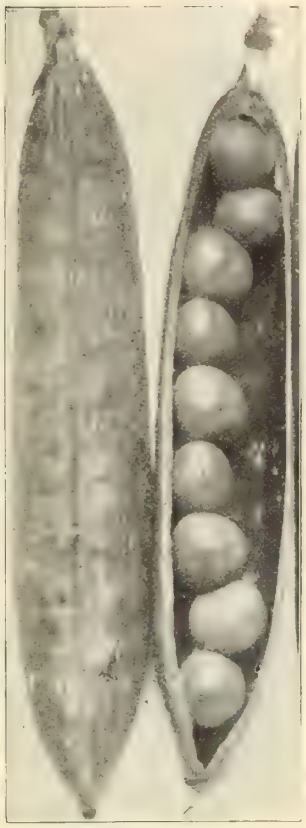
YANKEE PRINCE. A fine type of large, medium-green, large-podded sort. Height of vine 4 feet; pods 4 to 5 inches long and contain eight to nine Peas of fine quality. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.45, 14 lbs. $2.60.



Potlatch

NOTT'S EXCELSIOR. This fine, extra-early, dwarf, wrinkled Pea is very popular. Foliage dark green and rather heavy, suggesting health and vigor. On good soil grows about 1 foot high. Pods 3 inches long, filled with six large sweet Peas, and all are ready to pick at once. A great yielder. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.50, 14 lbs. $2.75.

McLEAN'S ADVANCER. The leading Pea for second early. Excellent flavor; very productive. It is a wrinkled variety, growing about 2 feet in height. Has pods 3 inches long and well filled to the end. Ripens so uniformly that the vines can usually be picked clean in two pickings. Pkt. 10 cts., ½lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts., postpaid. By express, not prepaid, 7 lbs. $1.20, 14 lbs. $2.



Gradus, or Prosperity

Gradus, or PROSPERITY. (See illustration.) This extra-fine variety combines earliness with large size in a green wrinkled Pea. In earliness, the Gradus follows closely after the first earliest. In height, they grow about 2½ feet. The pods are long, straight, and well filled with luscious sweet Peas of superb quality. It produces most uniformly large pods, measuring 4 to 4½ inches in length and well filled with large, handsome Peas. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.40, 14 lbs. $2.50.

Potlatch. A late variety of great value, growing 15 to 18 inches high, with very large pods, measuring up to 6 inches in length. Vines and pods are a rich, dark green, and pods contain eight or nine immense Peas. The plant is a vigorous grower and the pods are borne in pairs. It is a great producer and the quality of Peas which shell out is surprising. Said to be an improvement on Stratagem. Pkt. 10 cts., ½lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., postpaid. By express, not prepaid, 7 lbs. $1.50, 14 lbs. $2.75.

Livingston's Home Collection of the Three Best Peas for the Private Garden

The varieties contained in this collection are all superior sorts—sweet, tender and delicious. It contains early, medium, and late sorts, and will supply the table with a succession of luscious Peas for a long period.

PROLIFIC EARLY MARKET. For length of pod, number of Peas to the pod, and number of pods to the vine, it is a wonder.

GRADUS. Produces most uniformly large pods; medium early.

POTLATCH. A large dark-podded sort; eight or nine Peas to the pod; fine quality.

One 10-ct. packet each of best 3 Peas, 25 cts.; 1 lb. each, $1, postpaid.

Pfeffer Peppers *Pimento*

Peppers should be started in a hotbed or coldframe and transplanted about the end of May into a sunny corner of the garden, in rows about 2 feet apart, with the plants about the same distance between them in the rows. They can also be sown in open ground in a prepared seed-bed when all danger from frost has passed and the weather has become settled and the soil warm. When the little plants are about 3 inches in height, transplant as above into the rows where they are to remain. Some very rich fertilizer stirred into the soil when the plants are about 6 inches high, will be found very beneficial to the crop. The Peppers intended for mangoes should not be grown near the hot varieties, or they will partake of their fiery nature.

One ounce of seed will produce about 1,500 plants

Livingston's Extra-Early Red Prolific

Livingston's Extra-Early Red Prolific. This variety has been selected and perfected for a number of years and the crop on our farm this season was very true, no variations being noticed. It is very early, bright red and exceedingly prolific. The fruits set on when the plants are only a few inches in height. It is a very sure cropper on all kinds of soil. The fruits are of good large size for so early a sort, averaging 4 inches in length by 3 inches in diameter at the top. Livingston's Extra-Early Red Prolific is similar to our Prolific Yellow, except in color. It is a valuable sort for first-early crop to the market-gardener as the extra-early green fruits are ready for sale a long time before the large late varieties are large enough. Then, again, the ripe red fruits are equally as early for market, thereby permitting two chances for selling them before the large late sorts can compete with them. This is a real good thing in an early variety. Try this one. Pkt. 15 cts., ½oz. 60 cts., oz. $1, ¼lb. $3.50, postpaid.

Livingston's Prolific Yellow. **Very early, very productive, very mild. Introduced by us in 1914.** Immensely productive of bright yellow fruits of the most convenient size for stuffing. Comes into bearing much sooner than the mammoth sorts, and is the surest crop of all. It may be used for stuffing while yet green. On account of the mildness and thick walls of Livingston's Prolific Yellow Pepper, it is one of the finest for use in salads or pickles. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. $1, lb. $3.50, postpaid.

Livingston's Ohio Crimson. **The sweetest and biggest Mango Pepper.** Introduced by us in 1906. Habit of growth robust and stocky, and a sure cropper. The fruit is extra large. In weight Livingston's Ohio Crimson is much heavier than other varieties, owing to thicker flesh. In flavor it is the mildest we have ever known as the flesh, and even the seeds, may be eaten from the hand without any of the fiery sensation. Splendid for making mangoes. Pkt. 10 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. $1.40, lb. $5, postpaid.

RUBY GIANT. A variety somewhat similar to Ruby King, but the fruits are larger and a little broader at the blossom end. The flesh is very thick, firm and mild. Pkt. 10 cts., ½oz. 20 cts., oz. 35 cts., ¼lb. $1.10, lb. $3.75, postpaid.

Mammoth Ruby King

Chinese Giant. **It is of mammoth size, splendid shape, beautiful rich, glossy bright red flesh, and mild flavor.** Its strong, bushy plants, which are loaded with the splendid large fruits, begin bearing quite early. Has few seeds, hence necessarily high in price. Pkt. 10 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. $1.40, lb. $5, postpaid.

World Beater. Said to be a cross between Ruby King and Chinese Giant. The shape is like Ruby King, only the blossom end is broader, and the size nearly equal to Chinese Giant. The plant is a strong, vigorous grower and very prolific. The fruit is a beautiful scarlet in color and exceedingly mild. The flesh is thick and firm, making this variety an excellent shipper; very popular in the South. Pkt. 10 cts., ½oz. 20c., oz. 30 cts., ¼lb. $1, lb. $3.50, postpaid.

Royal King. Royal King is very thick-meated, averaging about as thick again as the old type of Ruby King and others of the Bell type. It is perfectly sweet and free from pungency; a heavy bearer and a good shipper. One party says: "We have grown and shipped thousands of bushels of this Pepper in the past and could often make sales of it in markets that were glutted with other sorts." Pkt. 10 cts., ½oz. 20 cts., oz. 35 cts., ¼lb. $1.10, lb. $3.75, postpaid.

NEAPOLITAN. This is the earliest of the large, mild red Peppers, grows about 2 feet high and is completely laden with fine Peppers about 4 inches long and 1½ to 2 inches in diameter. Worthy of a place in every garden. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. 85 cts., lb. $3, postpaid.

LARGE BELL, or BULL NOSE. Sweet Mountain. An early variety and of mild flavor except in hot, dry seasons. The skin is quite thick and fleshy; of medium size; is quite popular in some sections. Pkt. 10c., ½oz. 20c., oz. 30c., ¼lb. 85c., lb. $3, ppd.

Mammoth Ruby King. **Our Mammoth Ruby King Pepper is one of the largest and finest mild red Peppers in cultivation.** Not only is it very productive for so large a Pepper, but its splendid size and handsome appearance make it sell most readily in any market. The plants are vigorous, stocky, dwarf; very bushy, growing about 2 feet in height. They are well branched; thickly set with large fruits, some 5 to 6 inches long by about 3 inches thick. They can even be sliced and eaten with salt and vinegar (like tomatoes or cucumbers), and are most appetizing. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. $1, lb. $3.50, postpaid.

Sweet Salad Pepper

Peppers, continued

SMALL CAYENNE (Red Chili). Pods 1½ inches long; very hot; used for making pepper sauce. Pkt. 5 cts., ½oz. 20 cts., oz. 35 cts., ¼lb. $1.15, postpaid.

LONG RED CAYENNE. Three to 4 inches long and ½ to ¾ inches in diameter. Hot. Pkt. 5 cts., ½oz. 20 cts., oz. 35 cts., ¼lb. $1.15, postpaid.

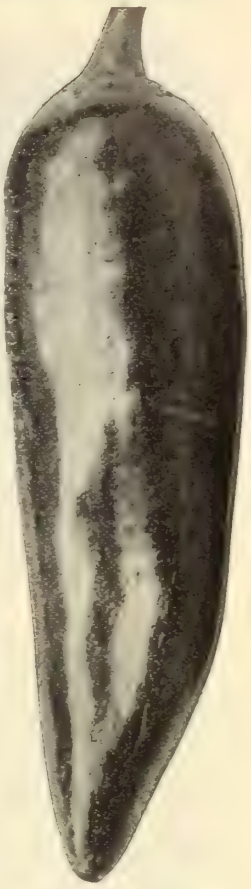
"RED HOT" MIXTURE. Includes a number of small and ornamental sorts, which are as "hot as fire." Pkt. 10 cts.

MIXED MANGO PEPPERS. A choice mixture containing a large number of sweet varieties suitable for stuffing and mangoes. Pkt. 10 cts.

Sweet Salad, or PIMENTO. Also known as "Perfection." This Pepper is especially desirable for canners. It is also fine for the home-garden, both green and ripe. It is so smooth and uniform in shape that the skins can be easily slipped off after holding over a hot fire for a few seconds or by boiling a few minutes in hot water. The meat is from two to three times as thick as that of some others. Quality very sweet, delicious and entirely free from pungency. Color when ripe a beautiful scarlet. Very productive. Pkt. 10 cts, ½oz. 20 cts., oz. 30 cts., ¼lb. 85 cts., lb. $3, postpaid.

TOMATO-SHAPED (Pimento). This very popular early variety is used extensively by the Spanish people in their Pimento salads. It is a thick-meated sort of mild flavor, being brilliant red in flesh, and very productive. Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts., ¼lb. $1, postpaid.

Livingston's Improved Thick Long Red. A great improvement on the ordinary Long Red Cayenne. Pods of about the same length, but much thicker. (See illustration which is of average size.) The flesh is fully double the thickness. They are grown almost exclusively for some markets. Exceedingly prolific; are very hot and have handsome bright red pods. Produced early in the season while prices are high. Pkt. 10 cts., ½oz. 20 cts., oz. 35 cts., ¼lb. $1.15, lb. $4, postpaid.



Improved Thick Long Red Pepper

Speise Kürbiß Pumpkin *Calabazas*

Pumpkins are not so particular in regard to soil as melons or cucumbers, but in other respects are cultivated in a similar manner. Sow in the month of May, when you plant your corn. Make hills, the same as you do for squashes, but about 8 to 10 feet apart each way. It is preferable to grow Pumpkins in the field, and not in the garden, as they always mix with the squashes and other vines. You can sow some amongst your late corn, putting in a few seeds, say every third or fourth hill. This will give you plenty for the table, and your stock the coming winter.

Small Sweet or Sugar Pumpkin

One ounce of seed will plant 15 hills; 3 to 4 pounds will plant an acre

Small Sweet, or SUGAR. This is the small, sweet Pumpkin that has made the New England States famous for their Pumpkin pies. It is a very fine-grained, most deliciously sweet-flavored sort. Splendid keeper. They average about 10 inches in diameter; of deep orange-yellow color. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

Large Sweet, or KENTUCKY FIELD. Large, round, flattened, hardy and productive. One to 2 feet in diameter. It has thick orange flesh of extra-fine quality and is a splendid sort for canning, family, and market use; used largely for stock feeding. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 65 cts., postpaid.

Common Yellow Field, YANKEE COW, or CONNECTICUT FIELD. The common Yellow Field Pumpkin so very largely cultivated by farmers for stock-feeding, and used some for canning; very productive. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

LARGE SWEET CHEESE. One of the best for canning. Has heavy, thick, sweet meat; large, round, flattened variety, skin generally of creamy buff, but occasionally, there are green-skinned specimens; both have orange flesh. An excellent keeper, and very productive; good quality. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 65 cts., postpaid.

GENUINE MAMMOTH, or TRUE POTIRON (King of the Mammoths). Of immense size, with depressed ends; slightly ribbed; often 2 feet in diameter and sometimes **weighs over 200 pounds**; skin salmon-color; flesh bright yellow, fair quality; great exhibition sort. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

WINTER LUXURY. The fruits are of medium size, nearly round, and with very thick meat; flesh is light yellow; skin golden with gray netting; excellent for pies. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.

LIVINGSTON'S PUMPKIN MIXTURE. One sowing furnishes Pumpkins for the season. Especially offered to those who wish to grow a great collection of Pumpkins for fall fairs. Large pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., postpaid.

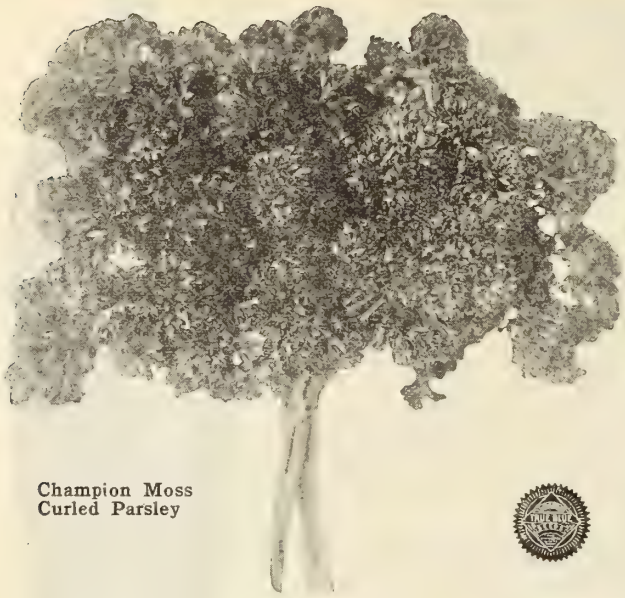
Rhubarb, or Pie Plant

Rhabarber *Ruibarbo*

Requires a deeply cultivated and thoroughly manured soil. Sow the seed early in the spring, in rows 1 foot apart. The second year after planting, plants can be removed in autumn to the permanent place in the garden allotted to them. Plant the roots 2 feet apart each way.

One ounce of seed will produce 500 plants

VICTORIA. In general use for market- and home-garden. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.



Champion Moss Curled Parsley

Livingston's Exquisite Parsley

Petersilie **Parsley** *Perejil*

As the seeds germinate very slowly, three to four weeks sometimes elapses before the plants make their appearance. Seed should be sown early in the spring. Parsley is used for seasoning soups and stews, for salads, and is also very universally used for garnishing. It makes an ornamental border in the flower-garden. Succeeds best in a rich, mellow soil. Take up a few plants in the fall and put into 6- or 7-inch pots. Keep well watered and they will produce an abundance of leaves all winter, besides making very ornamental plants.

One ounce of seed will sow about 150 feet of drill

FINE DOUBLE CURLED. A standard dwarf variety having deeply cut and beautifully curled leaves. A very fine sort, largely grown by gardeners for market. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 85 cts., postpaid.

Hamburg, or TURNIP-ROOTED. The fleshy roots of this variety resemble parsnips, and are used in soups and stews. The flesh is white and somewhat similar to celeriac (root celery). The roots may be dug and carried through the winter, like turnips, etc. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.

Flora Harper, of Washington County, Okla., writes as follows: *"We have bought our seeds from your Company since I was a small girl, and though we now live in town we still find the 'True Blue' seeds the best to be had."*

Livingston's Exquisite. The Finest Strain of Curled Parsley that has ever come to our notice. One of the features in any variety of Parsley is the ornamental effect of its leaf when used for garnishing. This is a very strong point in our Livingston's Exquisite, with its very elegant and closely curled leaves of beautiful dark green, while the flavor is all that could be desired. As a pot plant for winter decoration it is simply "exquisite." Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

Champion Moss Curled. A vigorous, compact sort, very fine for garnishing and flavoring. Owing to its uniformly deep green color and attractive foliage, it is one of the best for either market or home use. Densely crimped and curled. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 85 cts., postpaid.

Pastinake **Parsnips** *Chiriva*

Sow as early in the spring as the soil and weather will permit, in drills 15 inches apart and ½ inch deep, in rich, well-manured ground, well dug. Cultivate often and keep free from weeds, especially while small, and thin to 4 inches apart in the rows. The roots improve by being left in the ground until spring, securing enough in pits or the cellar for winter use.

One ounce of seed to 200 feet of drill; 5 to 6 pounds for an acre

Large Sugar, or Hollow Crown Parsnips

Large Sugar, or HOLLOW CROWN (Improved Guernsey). The Hollow Crown is probably grown more universally than any other Parsnip. Roots white, smooth, sugary and of excellent flavor, easily harvested, 12 to 15 inches in length and often 3 inches in diameter at the top, with a hollow crown about the stem. (See illustration.) Pkt. 5 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid.

LONG WHITE DUTCH. Roots are white, long, and smooth, with an elongated conical neck and of excellent quality. Pkt. 5 cts., oz. 20 cts., ¼lb. 65 cts., lb. $2, postpaid.

Prices in catalogue are quoted, subject to change without notice

Radieß Radish *Rabanitos*

All varieties thrive best in light, sandy loam. For early use, sow in the hotbed in February, giving plenty of ventilation, or outside in the garden, in drills, as soon as the soil is warm and dry, covering the seed about ½ an inch deep. Sow every two weeks from March until September for a succession of crisp Radishes for table use. Radishes must grow rapidly to be crisp, mild flavored, and tender. We offer a very fine assortment.

One ounce of seed will sow 100 feet of drill; 8 to 10 pounds will plant an acre

Rosy Gem. **Forcing strain of Scarlet Turnip White-Tip.** One of the earliest; perfectly globular; rich brilliant scarlet at top, blending into pure white at bottom; tender and crisp. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

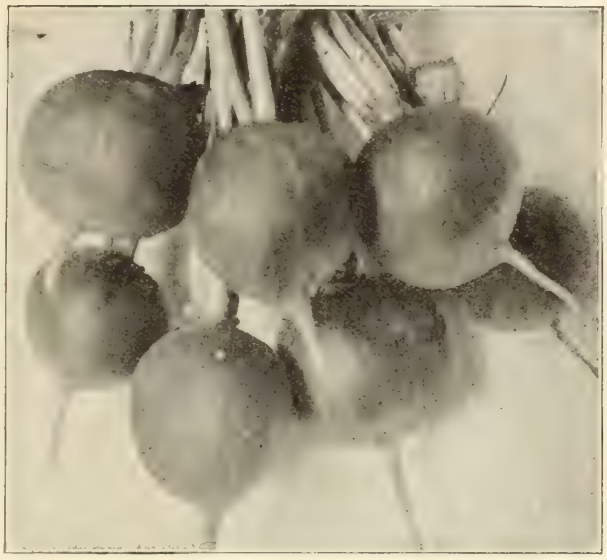
EARLY SCARLET TURNIP. Quite early, small, round Radish; skin, rich dark scarlet. A favorite for kitchen-gardens. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

Crimson Giant. It grows much larger than other extra-early varieties, but does not become pithy, even when fully twice as large in diameter and a week older; beautiful crimson-carmine; turnip-shaped; flesh firm, crisp, and tender. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.40, postpaid.

Early Scarlet Globe. (See illustration below.) This splendid globe Radish is the very finest early strain of the round, bright red Radishes. Flesh pure white, crisp, tender, and of delicious quality. Fine for market-gardeners as first-early forcing Radish. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

EARLY SNOWBALL. One of the quickest growing Radishes besides being one of the prettiest round varieties in the whole list; white as snow, smooth, crisp, and extremely tender. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

Cooper's Sparkler, **or SCARLET TURNIP WHITE-TIP.** A splendid variety of the Scarlet Turnip White-Tipped type, but showing more white, practically the whole lower part being white, while the upper half is a bright scarlet; good quality. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

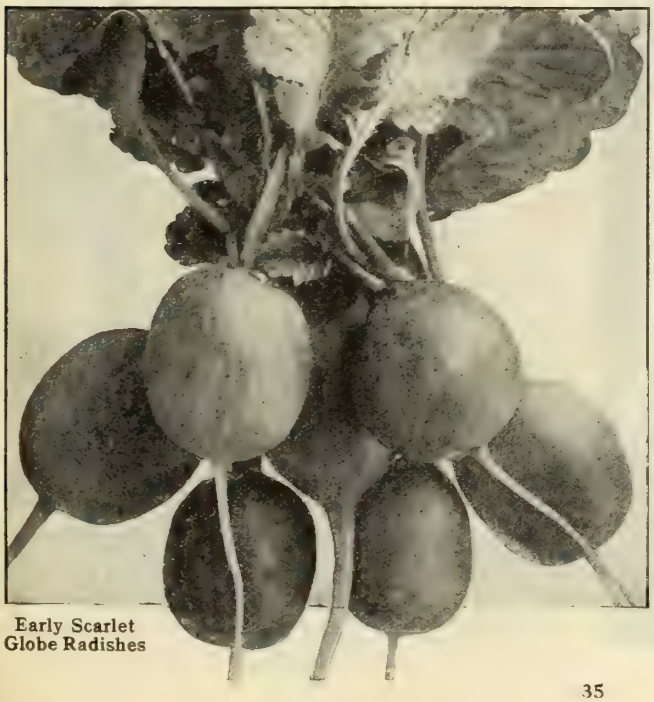


Fireball Radishes

Non Plus Ultra, **or FIREBALL. The earliest forcing Radish in cultivation.** A pretty little round Radish, deep, rich scarlet in color; tops very small; crisp, tender, white flesh. A little earlier than Scarlet Globe, but not quite so large. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

Saxa. (**New.**) This variety is of a beautiful scarlet color, round as a marble and having a very small top and tap-root. It comes so quick that it has been placed on the dining-table in three weeks from the time of sowing seed. The flesh of Saxa is very crisp, brittle, and juicy. Pkt. 10 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

MODEL WHITE BOX. Short top; of rapid growth; perfect turnip shape; extra-fine quality. Is especially suitable for growing under glass in frames. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.



Early Scarlet Globe Radishes

EARLY GOLDEN YELLOW OVAL. A very fine olive-shaped variety. Flesh is white and tender. Fine for forcing or outdoor culture. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

EARLY LONG SCARLET SHORT-TOP. Admirable for forcing; the leading outdoor quick-growing variety both for private and market-gardens; the average length is 6 to 8 inches; straight, uniform; tops small; bright scarlet in color; brittle and crisp. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

FRENCH BREAKFAST. Of quick growth, very mild and tender; of an oval form, scarlet tipped with white. One of the best real early sorts for the home-garden. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.

HALF-LONG DEEP SCARLET. Color deep, rich red. Shape half-long, tapering. Flesh pure white, crisp, tender, brittle, not becoming pithy for a long time. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.

IMPROVED CHARTIER. A clear rose-colored, long Radish, shading into pure waxy white at the tips; attains large size; grows very fast. Ready for use or market early; keeps crisp a long time. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.

BRIGHTEST LONG SCARLET. (**Cardinal White-tipped.**) Extra-early; white-tipped; a rapid seller. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.

Mr. Floyd H. Ferrell, Hocking County, Ohio, writes: "*I have had good success with your seeds last year, and I think they are surely 'True Blue' Seeds indeed.*"

Radish, continued

Cincinnati Market. This superb Radish originated in the vicinity of Cincinnati, Ohio, with the market-gardeners there and has been continually used by them for many years. **We introduced it to our trade in the spring of 1895, and it has become so deservedly popular that we have had to grow it ever since by the thousands of pounds to supply the demand.** The tops are so small that the Radishes may stand touching each other in the rows. The Cincinnati Market Radish grows straight and smooth, 6 to 7 inches in length. (See illustration.) The skin is a beautiful scarlet, very thin; flesh crisp, brittle, and of delightful flavor. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid. By express, not prepaid, 5 lbs. $4.50, 10 lbs. $8.

Long White Icicle. Grows 4 to 5 inches long; slightly stump-rooted, and of transparent whiteness; short leaves; matures quickly; most excellent flavor; equally desirable for home- or market-gardens. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.15, postpaid.

LADY FINGER, or LONG WHITE VIENNA. Beautiful in shape; skin and flesh are pure white, very crisp and tender, a most rapid grower and long standing. A fine variety. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

WHITE DELICIOUS. Roots are of distinct half-long form, tapering to a point. They grow to good size, are of handsome appearance, and the pure white flesh is crisp, solid, and of mild flavor until the Radishes become unfit for use. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

WHITE STRASBURG. Handsome, oblong, tapering shape; both skin and flesh pure white; flesh firm, brittle, tender, and possessing the most desirable character of retaining its crispness, even when the roots are quite large. Excellent for summer use, as it withstands severe heat and grows quickly. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

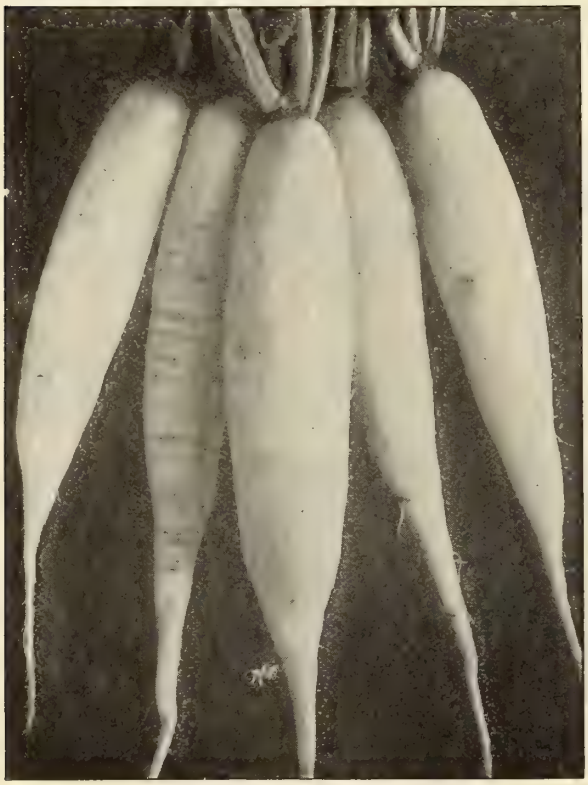
GIANT WHITE STUTTGART. Of large size, in shape like a top; flesh and skin white; fine quality; firm and brittle, never pithy; can be stored for winter the same as turnips. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

LARGE WHITE SUMMER TURNIP. A favorite with market-gardeners. Round, smooth; very white; crisp and tender; of large size. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, ppd.

GOLDEN GLOBE. Most perfect globe-shaped; golden colored skin; very quick grower; white flesh, tender, brittle; long-standing. Pkt. 5c., oz. 15c., ¼lb. 45c., lb. $1.50, postpaid.

Livingston's Pearl. A beautiful, pearly white, half stump-rooted variety of exceptional merit. It is very firm and solid and after having reached its best condition, it remains in good shape for some two weeks before becoming woody or showing any signs of going to seed. It is a Radish we can heartily recommend and a variety which for all purposes is first class. Everyone who likes a long, white Radish should plant Livingston's Pearl. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

ROUND BLACK SPANISH WINTER. Similar to Long Black Spanish, except in shape; fine for winter. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.



Livingston's Pearl Radishes

WHITE MUNICH. A top-shaped variety averaging 6 to 7 inches in length and 3 to 3½ inches at the shoulder. Color of skin and flesh a clear white; very mild and tender, one of the best winter sorts. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, ppd.

White Chinese, NEW CELESTIAL. A large stump-rooted Radish with white skin and flesh. Can be sown from July 1 to August 15, and will keep in prime condition a long time; mild in flavor; brittle and never woody. Pkt. 5c., oz. 15c., ¼lb. 35c., lb. $1.25, postpaid.

CHINESE ROSE WINTER. A very handsome and distinct variety; color bright rose; crisp and tender; cylindrical in shape; very smooth; very desirable sort; keeps splendidly through autumn and winter. Pkt. 5 cts., oz. 10 cts., ¼lb. 30 cts., lb. $1, postpaid.

Cincinnati Market Radishes

LONG BLACK SPANISH WINTER. Grows 5 to 8 inches long, 1 to 1¼ inches through at top; skin black; flesh white and firm. Pkt. 5c., oz. 10c., ¼lb. 30c., lb. $1, postpaid.

Livingston's All-Season Radish Mixture

Livingston's All-Season Mixture of Radish Seed contains all shades and shapes—red, white, pink, variegated; round, half-long and long—in great variety. Just fine for small gardens, where space is limited, and where you want to make a garden and be done with it. One sowing does for the whole season. Large pkt. 10c., oz. 15c., 2 ozs. 25c., ¼lb. 40c., postpaid.

Speise Kurbiß Squash *Sidracayote*

Plant after weather has become firmly settled and the ground is warm and dry, in hills 5 to 6 feet apart for bush varieties, and 6 to 8 feet apart for running varieties. Hills should be thoroughly manured. Slightly elevate the hills and place seven or eight seeds in each, finally leaving but three plants. Press the seeds down firmly before covering, and cover early planted ones 1 inch deep, and late ones 1½ inches.

One ounce of the bush varieties for 40 hills, or of the large-seeded winter kinds for 15 hills; 2 to 3 pounds of the bush sorts, or 4 to 5 pounds of the large-seeded winter kinds are needed for one acre.

Acorn, or TABLE QUEEN. This new variety averages about 7 inches long by about 4 to 5 inches wide; shape is oblong and slightly pointed at the blossom end. The color is a dark green, except when it becomes over-ripe, when it changes to buff; flesh is orange color. The quality is claimed to be equal to that of the Hubbard. Pkt. 10 cts., oz. 25 cts.

Livingston's Pie. Rich, sweet flavor. Makes good pies without eggs. The color of the skin is similar to that of the Golden Russet apple. Flesh yellow and very thick. Quite early, surprisingly productive, and a rapid and hardy grower. Size, 8 to 10 inches in diameter. Pkt. 10 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

FORDHOOK. Convenient size for family use. Flesh dry and sweet, and seems incapable of rotting. Maturing early, it is a sure cropper and immensely productive. Skin thin and meat thick; seed cavity small. May be used as a summer sort or stored for winter or shipping. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.40, postpaid.

CHICAGO WARTED HUBBARD. Large size; dark green color, distinguished by a dense covering of knots (warts), a sure indication of splendid quality; thick yellow flesh. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

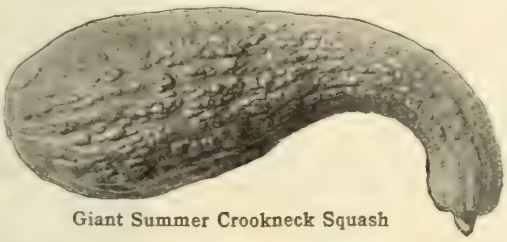
GOLDEN HUBBARD. Color of skin bright, rich, orange-red; showy and attractive; shell hard and warty; flesh deep golden yellow, fine grained and of splendid flavor; cooks dry. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

E. C. Hirn, Allen County, Ohio, writes as follows: *"We have used your seeds for several years and have always had good returns from them."*

Early White Bush Squash

Early White Bush, or PATTY-PAN. The flat patty-pan shaped fruits are ready for use very early in the summer; 6 to 8 inches in diameter. Of true bush form and very productive. Should be eaten when young and tender. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

MAMMOTH WHITE BUSH SCALLOP. Excellent large strain, 10 to 12 inches in diameter. Nearly as early as the common sort; creamy white; splendid for market or home garden; good shipper. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

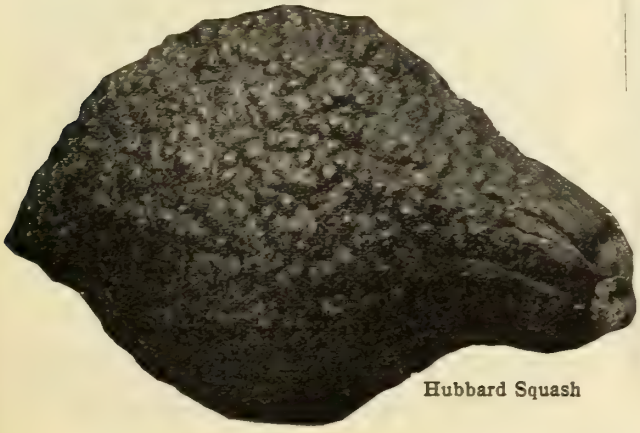


Giant Summer Crookneck Squash

MAMMOTH YELLOW BUSH SCALLOP, or GOLDEN CUSTARD. Decidedly the best strain. Double the size of the old sort. A flat variety of the patty-pan type; deep orange in color; 8 to 10 inches in diameter; for early summer use only. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

Giant Golden Summer Crookneck. The largest and best of all Summer Crookneck Squashes. Of a dwarf, bushy habit and very productive; bears early and all summer; true Crookneck type; rich golden yellow color; thickly warted. Its cooking qualities are unexcelled. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.40, postpaid.

Hubbard. The standard winter Squash. It is of good size, often weighing 9 to 15 pounds. Color bluish green. Flesh fine grained, sweet and of excellent flavor. Rich orange yellow. Has a very hard shell and will keep until spring. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.40, postpaid.



Hubbard Squash

Livingston's Improved Cushaw. Very beautiful in appearance, being a distinct mottled green and white striped. Flesh yellow, solid, fine-grained, very sweet, and excellent for pies; also good for baking. Crookneck in shape and the neck is all solid flesh. Can be grown among corn, same as pumpkins, and yield as good crop, but the better way is to grow them separately on good, rich soil in hills 10 to 15 feet apart each way. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

BOSTON MARROW. Oval form; thin skin. Color of skin and flesh, a rich orange; of good size, excellent flavor and keeps well. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

ESSEX HYBRID. Hard shell; solid, thick, rich orange flesh, fine-grained, rich flavored, prolific, and of the best quality. Turban shape. Pkt. 5 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

COCOZELLE. A summer variety of bush habit; fruits oblong, 12 to 16 inches in length and 5 inches in diameter, furrowed with five ribs; color dark green, marbled with yellow and dark green stripes, quality fine. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

GREGORY'S DELICIOUS. Outside color green when matured. Flesh thick, dark orange in color, dry, sweet, and of rich flavor. Is best as fall and winter variety, improving with age. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.50, postpaid.

Livingston's Squash Mixture

One sowing will produce Squashes for the season. This mixture contains a great variety of summer and winter sorts, just suited for growing for exhibition or table use. Large pkt. 10 cts., oz. 15 cts., ¼lb. 35 cts., postpaid.

Mammoth Sandwich Island Salsify

Haferwurzel Salsify, or Oyster Plant *Salifi*

When properly cooked it is a good substitute for oysters and is very nutritious. A most palatable vegetable. The cultivation is precisely the same as directed for parsnips and carrots. Sow early in drills, 1½ feet apart and cover firmly 1 inch deep; thin to 3 inches apart in the drills. Salsify will keep finely through the winter, in the ground where sown, in the same manner as parsnips. The roots are perfectly hardy; in fact, they are best after the frost has touched them. When preparing, boil the roots with a small piece of codfish, which should be discarded when the Salsify is cooked. This strengthens the oyster flavor. When cold, mash and fry as patties or fritters. This vegetable is also good stewed, plain boiled, and as a salad, sliced raw in vinegar with pepper and salt.

One ounce of seed will sow 50 feet of drill; 8 pounds will plant an acre

Mammoth Sandwich Island. This splendid variety will average nearly twice the size of the White French Salsify. Grows very uniformly; mild and delicious in flavor. A popular sort with all growers. (See illustration.) Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts., lb. $1.75, postpaid.

Spinat Spinach *Espinaca*

Spinach will succeed finely in any ordinary soil, and its cultivation is a very simple matter. It is grown both as a spring and summer crop. To winter over for spring use, sow the seed in August or September, in drills 12 to 14 inches apart. At approach of cold weather, cover lightly with straw or any handy litter. Uncover the plants when they begin to make a new growth in the spring. For summer use, sow in spring; thin to 3 to 4 inches.

One ounce of seed will sow 50 feet of drill; 12 to 15 pounds will plant an acre

King of Denmark. (Antvorskov.) **The new evergreen Spinach.** In our trial-grounds the past season (1922) this variety did not shoot seed-stalks at all, but under ordinary seasonal conditions it will no doubt remain in good shape for a long time after any of the ordinary sorts have become unfit for use. It was ready for use in thirty days from date of sowing, has a beautiful crumpled or blistered, dark green, thick leaf, of fine quality. We predict a large sale of the King of Denmark, as we have orders for several hundreds of pounds from gardeners who gave it a trial the past season. We have illustrated this new sort on the front cover of this catalogue, showing it in the natural color, and shape of leaf, as closely as possible. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. $1.50, postpaid.

Bloomsdale Savoy. This is a very early variety and one of the best to plant in the fall for spring use. The plant is of upright growth, with thick, glossy, dark green leaves which are crumpled or blistered like those of Savoy cabbage. It is quite hardy but will run to seed quickly as soon as warm weather comes. Suitable for home use and is used largely by market-gardeners. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts., postpaid. By express, not prepaid, 5 lbs. $1.50.

VICTORIA. An excellent sort, whether grown for home use or market. It may be sown with equally good results, either in the spring or during late summer and fall. The plants are fit for use early and remain in good marketable condition longer than some other kinds. The leaves are very thick and juicy and when prepared properly, develop a delightfully distinct, mild flavor. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts., postpaid.

PRICKLY-SEEDED WINTER. A fine variety with triangular, oblong, or arrow-shaped leaves. Hardiest of all, therefore best for fall sowing where winters are severe. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts., postpaid.

King of Denmark Spinach

New Zealand Spinach

Improved Thick Leaf. (Viroflay.) The market-gardener's favorite for fall or spring sowing, in all parts of the country, as it furnishes an abundance of heavy, broad, dark green leaves of finest quality and appearance. The leaves are attractively curled, and on account of their firmness and substance they remain in prime, salable condition for a long time. Pkt. 5 cts., oz. 10 cts., ¼lb. 15 cts., lb. 55 cts., postpaid. By express, not prepaid, 5 lbs. $1.50, 10 lbs. $2.75.

LONG SEASON. Of flat, spreading, but compact growth, this sort is especially noticeable for its short-stemmed, dark green leaves, which are heavily crumpled and savoyed. For marketing during the warm summer months, it is excellent. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 60 cts., postpaid.

New Zealand. (*Tetragonia expansa.*) A distinct type of Spinach. The plants grow in branching form, with thick, succulent leaves. The leaves and stems can be gathered at any time after they are well grown and the plants will start out into new growth. Thrives during hot weather and in any soil. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

Sage

Sage is probably the most extensively used of all herbs for seasoning. The leaves and young shoots should be cut as it is coming into bloom, then dried in the shade. Pkt. 10 cts., ½oz. 20 cts., oz. 35 cts., ¼lb. $1.15, lb. $4.25, postpaid.

Livingston's Famous Tomatoes

New Varieties of Merit and the Growing of Large Quantities of Seed Our Specialty

TOMATOES occupy continually the center of the stage in our establishment. It is only natural that it should be so. Few seedsmen in the world can make as positive a statement in connection with a crop as we make it above, and for three score years the interest in this all-important vegetable has been religiously preserved in our house.

We make it a point to know and study all sorts. This is one of the reasons why we can speak authoritatively about the merits of the various sorts introduced. The descriptions given in this catalogue may be relied upon. They tell the truth as we learn it from our annual extensive trials. Neither larger nor more thorough trials of Tomatoes are made anywhere than those on our "True Blue" Seed Farms. They enable us to "keep posted" for the benefit of our customers, and they also show us, year after year, that Livingston's Famous Tomatoes are the most thoroughbred strains in existence. We give here a complete list of our introductions and no doubt you'll find some old, familiar sorts that have "made good" with you among these varieties.

Livingston's Paragon	in 1870
Livingston's Acme	in 1875
Livingston's Perfection	in 1880
Livingston's Golden Queen	in 1882
Livingston's Favorite	in 1883
Livingston's Beauty	in 1886
Livingston's Potato Leaf	in 1887
Livingston's Stone	in 1889
Livingston's Royal Red	in 1892
Livingston's Gold Ball	in 1892
Livingston's Buckeye State	in 1892
Livingston's Aristocrat	in 1893
Livingston's Large Rose Peach	in 1893
Livingston's Honor Bright	in 1897
Livingston's Dwarf Yellow Prince	in 1898
Livingston's Magnus	in 1900
Livingston's Aristobright	in 1901
Livingston's Royal Colors	in 1901
Livingston's Dandy Dwarf	in 1901
Livingston's Multicolor	in 1901
Livingston's Princess	in 1901
Livingston's Grandus	in 1901
Livingston's Dwarf Stone	in 1902
Livingston's Purple Dwarf	in 1903
Livingston's Globe	in 1905
Livingston's Hummer	in 1907
Livingston's Coreless	in 1908
Livingston's Manyfold	in 1917
Livingston's Rosy Morn	in 1923

Tomato Culture.—For very early fruit, the seed should be sown in a hotbed about the first week in March, in drills 5 inches apart and ½inch deep. Later sowings may be made until the last of April. (Sufficient plants for a small garden can be started by sowing a few seeds in a shallow box or flower pot and placing in a sunny window in the house.) When the young plants are 3 to 4 inches high, they should be set 4 to 5 inches apart in another hotbed or coldframe, or transplanted into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden them for planting out. Water freely at the time of transplanting into the open ground and shelter from the sun a few days until the plants are thoroughly established. Cultivate thoroughly as long as the vines will permit, but the last two or three workings of the soil should be very shallow or the crop may be badly injured.

Tomatoes grow splendidly trained to stakes or trellises, and the fruit is much improved, not only in appearance, but in quality. This mode of cultivation is common among gardeners who grow for the early market, and at private places throughout the country. Especially is this desirable where neatness and at the same time economy of space in the home-garden is desired. The usual method is to set one strong plant to a stake 5 to 7 feet high, tying the plant up with wool or other strong, soft twine, and pruning quite freely as the vine advances in growth. By this method plants may be set much closer than in the ordinary way. For fine, large specimens of high color and attractive appearance generally, grow the clusters of the fruit in paper sacks, as is commonly practiced by grape-growers. These paper sacks or bags should be put on when the Tomatoes are about three-fourths grown.

That about 2,000 plants will be produced from one ounce of seed is a safe estimate.

NEW TOMATO

Livingston's Rosy Morn

The Newest Livingston Creation

The new Rosy Morn was discovered some years ago in a crop of Livingston's Manyfold. It differs in color, but we have been careful in our selection to retain the enormous productive powers, which it inherited from the Manyfold. It averages larger in size, in fact it is of that most desirable medium size which suits the greatest number of home-growers as well as market-gardeners.

Livingston's Rosy Morn is an early, bright rosy pink variety, coming into bearing close up to Earliana. It is smoothest of the smooth, and the very solid, fleshy fruits ripen evenly and are surprisingly free from cracks about the stem. It is a very fine slicing sort, being of mild and delicious flavor.

The new Rosy Morn is a good strong grower of vigorous foliage and should be planted a little wider apart for best results.

All our customers should get started growing this very newest Livingston creation in Tomatoes this season. We are not offering it to the seed trade in general, preferring to give our friends first chance with it. It will not be found in other catalogues this season.

Every up-to-date garden for 1923 should contain a large percentage of Livingston's Rosy Morn Tomato.

Our front cover page shows the Rosy Morn in as nearly its true shade of pink as it is possible to produce from photograph and in ink.

Offered in packets only this season. Pkt. 50 cts.

Livingston's Rosy Morn Tomato

Livingston's Manyfold Tomato

Originated and Introduced by us in 1917

Brightest Red Inside and Out. Earliest Big Red Sort. Heavy Cropper

Livingston's Manyfold has a brilliant red fruit that averages almost equal in size to Livingston's Stone on strong ground and almost as productive, if not more so, but begins bearing earlier, hence lengthening the bearing season when used along with the larger and later sorts. The fruit is borne in large clusters which generally average five or more to the cluster. The clusters set closer together than on most sorts and therefore is very productive. Almost invariably all of the fruits are of marketable size. Last season, owing to unfavorable conditions, Manyfold ran small on some soils, but where conditions were more favorable it came up fully to our description and claims. The flesh of the Livingston's Manyfold Tomato is one of the richest reds we have ever seen. Even the pulp surrounding the seed, in most specimens, shows the red coloring. We feel that this point of high color, together with the early maturity of a very large percentage of the crop, should appeal very strongly to canners and makers of catsup, and equally so to private users of Tomatoes. Livingston's Manyfold Tomato is very prolific, but should have good strong land to hold up the size throughout the season. Pkt. 10 cts., ½oz. 30 cts., oz. 55 cts., ¼lb. $1.85, lb. $6.50, postpaid.

G. C. Rademacher, of Cook County, Ills., writes as follows: "*Am enclosing herewith my seed order for this year. Your seeds were very satisfactory in the past. Those Manyfold Tomatoes bore wonderfully.*"

T. R. Cromwell, Stark County, Ohio, writes as follows: "*We used your Manyfold Tomatoes and had a bumper crop.*"

Livingston's Manyfold Tomato

Livingston's Favorite

Introduced by us in 1883

Livingston's Favorite will always be that which its name implies, a favorite with canners and in the home-garden. Favorite is one of the best-shaped, large, bright red Tomatoes. The fruit ripens evenly, is always smooth, and holds its size to the end of the season. Flesh is of good flavor, very solid. Pkts. 5 cts. and 10 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. $1.40, lb. $5, postpaid.

Livingston's Globe Tomato

Livingston's Paragon

Introduced by us in 1870

This was the first perfectly smooth, deep red Tomato ever offered to the American people. We have endeavored to keep it up to the original high standard, and there are many gardeners and catsup-makers who today, after fifty years, would not have any other kind for a main cropper. It is an immense yielder; in time of ripening, a medium early. The fruits are of large size and remain so throughout the season. Flesh is solid, of superior quality and of appetizing appearance. Pkts. 5 cts. and 10 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. $1.40. lb. $5, postpaid.

A. G. Hood, of Hidalgo County, Texas, writes: "*I get most of my Tomato seed from you, even though it comes higher than from other seedmen. I can depend on it being as represented.*"

Livingston's Globe

Originated by us and introduced in 1905

THE GREATEST SHIPPING TOMATO KNOWN

The Finest Early Purple Tomato in Existence. Very Distinct in Shape, Firm Fleshed, of Delicate Flavor; Almost Blight-Proof

Livingston's Globe is an extra-good, all-round sort, of a distinct globe shape, with quite a large percentage of elongated fruits. On account of its shape, it permits a great number of slices to be made from each fruit. We class it with the first earlies, both in greenhouses as well as in the field. The fruits are of large size, and a good marketable size is retained throughout the season. It is always smooth, of firm flesh and few seeds; ripens evenly; color, a fine glossy rose, tinged with purple, and without the slightest tinge of yellow at any stage of ripening. It is an exceedingly productive variety. In quality there is nothing more to be desired, being mild, pleasant, and of delicious flavor. There is no better variety for greenhouse growing or for early growing on stakes or trellises. Its blight-proof qualities are remarkable. May be picked quite green; will carry to distant markets in excellent shape and ripen up uniformly. Pkts. 5 cts. and 10 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. $1.50, lb. $5.50, postpaid. Special prices in larger quantities.

Arnold Munnick, of Westchester County, N. Y., writes: "*I want to tell you what splendid results I am having from the Globe Tomato seed. The fruit is wonderful, not too large, but solid, each plant 5 to 6 feet high and averaging fifteen to twenty Tomatoes—some even more.*"

Joseph Weck, Richmond County, Ohio, writes as follows: "*I have had good success with your Tomato seed the last year, with the people looking to me for their plants. There is one thing sure and that is, it is hard to beat the Livingston's Tomato seed.*"

Livingston's Stone Tomato

Livingston's Stone Tomato

Introduced by us in 1889

THE GREATEST OF ALL CANNING TOMATOES

The Largest, Bright Red, Perfectly Smooth, High-Yielding, Best-Keeping, Finest-Flavored Main-Crop Variety in Existence

Livingston's Stone is always of good size, deep through from stem to blossom-end and very firm. Skin is bright scarlet, perfectly smooth, and strong enough to stand shipping and long-distance hauling to perfection. Flesh is very solid and of finest flavor. Seed cells are small and few. Livingston's Stone is now recognized by all as the greatest canning Tomato. We alone supply enough seed to the leading Tomato-growers and canners every year to produce millions of plants. Order direct from us to get seed of our growing. Pkts. 5 cts. and 10 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. $1.40, lb. $5, postpaid.

California Vegetable Union, Los Angeles County, Calif., writes as follows, September 29, 1919: "*We have been using your Stone Tomato seed this year and have had excellent results. Our growers are so well pleased with it that some of them have come in for supplies of seed after the crop was matured for next year's planting and we have been putting out our surplus in that way. We wish to express our appreciation for the good service you are giving us in supplying us with the best type of Tomato seed.*"

Livingston's Beauty

Introduced by us in 1886

THE GREATEST OF ALL PURPLE-COLORED HOME-MARKET SORTS

Strong Grower. Very Productive. Large, Smooth and Early

Although introduced by us so many years ago, this is still one of the most popular purple-colored Tomatoes. The plants make a strong growth, are hardy, and bear profusely. The fruit is produced in clusters of four to six, is large, of perfect shape, and retains its size until late in the season. It ripens early, has firm flesh of excellent quality, and the seed-cells are very small. A splendid sort for slicing. For home market it is excellent. May be picked quite green; will ripen up nicely, look well and keep in perfect condition for several days. Pkts. 5 cts. and 10 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.30, lb. $4.50, postpaid.

J. C. Gordon, Jackson County, Mo., writes: "*Your Beauty Tomato is certainly a good kind; tried it last year.*"

T. M. Christie, Clinton County, Pa., writes under date of June 9, concerning Tomato seed, as follows: "*I have grown your fine Tomatoes for several years and often have been greeted with 'You have the best Tomatoes on market.' Your Beauty and Globe are the principal brands. I now have Manyfold growing nicely in addition to the others.*"

Livingston's Magnus

Introduced by us in 1900

ONE OF THE FINEST FOR GROWING ON STAKES

This distinct variety, of the color of Livingston's Beauty, is one of the most valuable additions to the Tomato family. It is large, early, thick, heavy, and solid, and one of the most handsome varieties in cultivation. **Livingston's Magnus** is unsurpassed in quality and in the production of fine large fruits. **While well adapted to main-crop planting, it also takes first rank for early market purposes.** The form is perfect, uniform, large, and attractive, quite deep through from stem to blossom-end. The flesh is very firm. A robust grower, with short joints, and is a very heavy cropper. It has the broad foliage which prevents sunburn in hot sections. Ripens evenly. For staking up in the open field, as well as for forcing in greenhouses, it is a fine sort. Pkts. 5c. and 10c., ½oz. 25 cts., oz. 40c., ¼lb. $1.30, lb. $4.50, postpaid.

Livingston's Buckeye State

Introduced by us in 1893

The largest Tomato bearing our name. The extra-large fruits are borne in clusters of three to six. Buckeye State has a smooth skin of dark purple color. The fruit is very meaty, solid, and the flesh is of most desirable quality. The principal objection to "mammoth" sorts has been their rough and uneven skin. In Livingston's Buckeye State we have been successful in eliminating these weak points, and planters everywhere will appreciate the beautiful large fruits which are exceedingly showy and find a ready sale. Pkts. 5 cts. and 10 cts., ½oz. 30 cts., oz. 50 cts., ¼lb. $1.75, lb. $6, postpaid.

John B. Webb, Cumberland County, N. C., writes as follows: "*I have sown the Buckeye State Tomato ever since it came out and nothing can come anyways near it. It should be on the front cover of your catalogue.*"

Livingston's Perfection

Introduced by us in 1880

Livingston's Perfection may fittingly be described as an improved Acme with red skin. Skin is tough, fruits remarkably solid, hence a good shipper. It is a medium-sized, smooth, bright red sort of excellent quality. It ripens earlier than Stone, keeps its good size to the end of the season, and is excellent for either market or home use. Used in northern sections for canning because early. Pkts. 5 cts. and 10 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.30, lb. $4.50, postpaid.

See our Vegetable Collections on second cover page

Livingston's Beauty Tomato

Livingston's Hummer Tomato

Livingston's Hummer Tomato

Originated by us and Introduced in 1907

Is round as a ball, smooth as an apple. A good variety for forcing, very prolific, and has very little indenture about the stem end. The color of the fruit is a very attractive bright scarlet. The flesh is a rich crimson-scarlet, and of the very best quality. In size an excellent variety for canner's use, as a large percentage of the fruits can be put into the can whole; quite early; desirable in latitudes where the crop must be produced in a short time. It is hard to beat for market- and home-garden. It is a healthy, vigorous grower of medium-sized vines. The fruit itself is solid. Pkts. 5 cts. and 10 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.30, lb. $4.50, postpaid.

JOHN W. CLEVENGER, Ramsey County, Minn., writes: "*I purchased some seed from you sometime ago which contained some of the Hummer Tomato and the Hummer is sure just what the world calls for.*"

Livingston's Dwarf Stone

Introduced by us in 1902

The advent of Dwarf Stone marked a new epoch in dwarf Tomatoes. The fruits are larger than those of Dwarf Champion and nearly as large as those of our Standard Stone. **It is very prolific.** Fruit smooth, ripens evenly; medium early. The color is bright red. The plants of Livingston's Dwarf Stone are of such sturdy upright growth that they may be set as close as 1½ to 2 feet apart, if necessary, and still produce an abundant crop. A great sort to be grown in small gardens where space is limited. Pkts. 5 cts. and 10 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.40, lb. $5, postpaid.

Mrs. WM. S. FOSTER, of Noxubee County, Miss., writes as follows: "*I want to say that when your company can evolve a seedless Tomato I do not think you can improve the Coreless. We have been growing them ever since you first introduced them and have found them superior to any we have grown. They have fewer seeds, are better flavored and are more satisfactory in every way.*"

Livingston's Dwarf Aristocrat

Introduced by us in 1893

This Tomato in habit of growth and foliage resembles the Dwarf Champion, but the color is a beautiful rich, glossy red. The solidity, productiveness, smoothness, flavor of its fruits are all that are to be desired; size medium. Pkts. 5 cts. and 10 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.40, lb. $5, postpaid.

Livingston's Improved Dwarf Champion

Bears fruit fully one-third larger than the original Dwarf Champion. Fruit is produced in clusters of three to five: of a beautiful glossy purple; firm, solid, thick flesh, with large meaty center. Pkts. 5 cts. and 10 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. $1.50, lb. $5.50, postpaid.

Livingston's Acme

Introduced by us in 1875

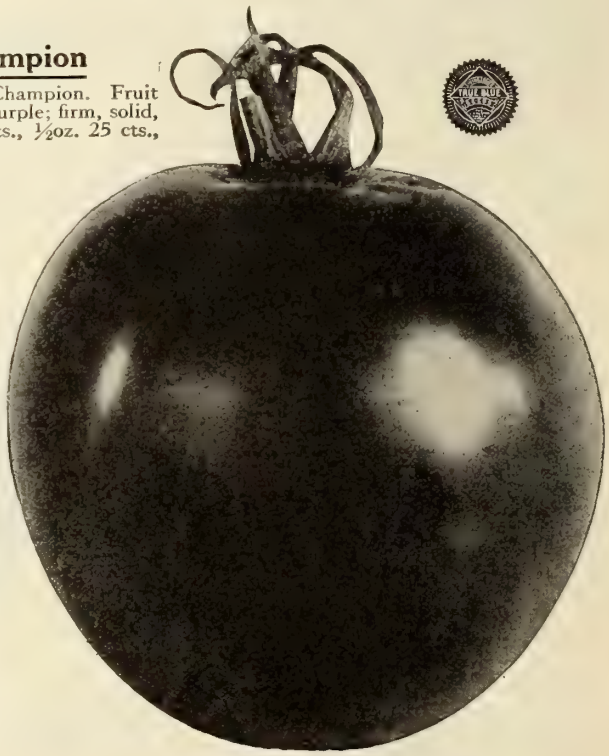
As a shipping sort for growing in southern states it is one of the best. This was the first perfectly smooth, large, purple Tomato introduced. Today, after all these years, it is still the leading sort with extensive growers in the South, particularly in Texas. It is a smooth, uniform, medium-sized, early, purple-fruited sort, very prolific. Fruits in clusters of four or five, are of medium size, free from cracks, solid, and stand long-distance shipment; quality fine. Pkts. 5 cts. and 10 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.30, lb. $4.50, postpaid.

Livingston's Coreless

Originated by us and introduced in 1908

A perfect globe-shaped canning variety of large size. Full at stem end; bright red; a strong grower and a big cropper

All markets requiring a bright red sort will be pleased with Livingston's Coreless. In shape it is almost round, being of about the same diameter each way. The depression at the stem end has been almost eliminated, making a profitable variety for canning **owing to a very small amount of loss in material and labor.** Is immensely productive, clusters of four to seven fruits are produced at 6 to 8 inches apart along the stem. All of the fruits are of marketable size, and many of them are quite large—12 to 15 ounces. A grand, good slicing variety, the seed-cells being surrounded by bright red, heavy meaty and delicious flesh. Its color is that bright, rich red so desirable in a canning sort. Pkts. 5 cts. and 10 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. $1.40, lb. $5, postpaid.



Livingston's Coreless Tomato

Early Detroit Tomato

A very productive, early purple sort, uniform in size of fruit, free from cracks, and does not blight easily. Fruit large and smooth. Vines vigorous and quite productive. Quality excellent. Pkt. 5 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.30, lb. $4.50, postpaid.

Trucker's Favorite

A purple-fruited sort of excellent quality, highly esteemed in many eastern and southern markets. Grows to uniformly large size which is maintained until late fall. Fruits are invariably smooth, solid and the flesh is of finest color throughout. Fine for slicing or cooking. Quite similar to our Livingston's Beauty. Plants are very thrifty, free from rust or blight, and bear continually until killed by frost. Pkt. 5 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.30, lb. $4.50, postpaid.

Colossal

A strain of Ponderosa which is said to exceed it in size. A slice of this enormous-fruited sort looks like a piece of beefsteak. The fruit has purple or pink skin and many of them are quite smooth. It is of delicious flavor and extra fine for slicing. Pkt. 10 cts.

June Pink Tomato

June Pink A Pink Earliana

Ripens as early as Earliana. A prolific bearer, clusters of six to eight large fruits being borne close to the main stem, a large percentage of the fruit being produced very early. The fruit is of medium size, uniform, smooth, and attractively shaped. Excellent for shipping. In color it is a bright, pleasing pink, and in markets where a pink Tomato is desired, it is a great seller. Pkt. 5 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.30, lb. $4.50, postpaid.

Cooper's Special

A variety which has been highly recommended by the Florida growers as being what they term a self-topper. It is a rather globe-shaped sort, of the same color as our Livingston's Globe. The vine is said to be shorter and fruits are set in clusters of four to five fruits every 5 to 6 inches along the stock. Fruit not as large as our Livingston's Globe. Pkt. 10 cts., ½oz. 35 cts., oz. 65 cts., ¼lb. $2.15, lb. $7.50, postpaid.

Earliana Tomato

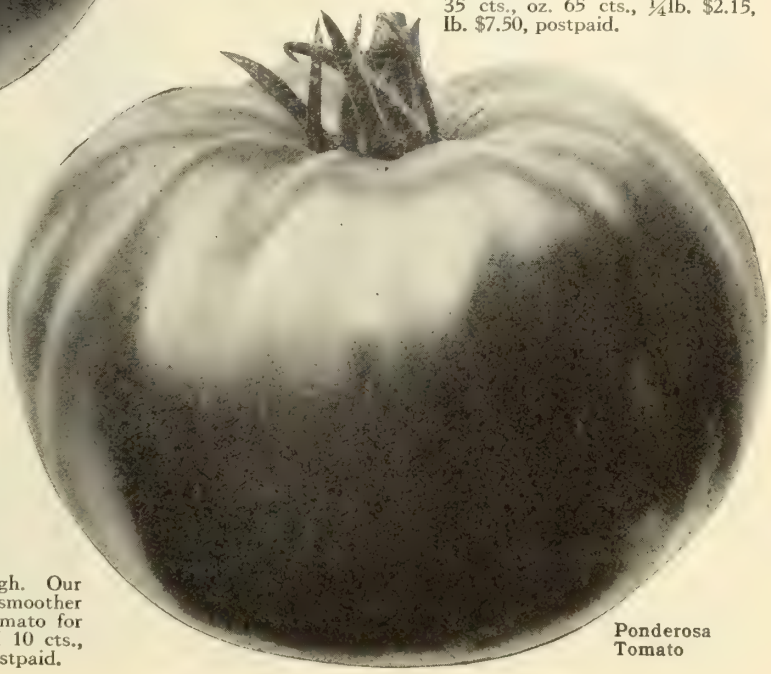
Earliana

The earliest smooth, bright-red Tomato of good size

The plants are compact in growth, with short, close-jointed branches, setting fruits very freely. With the Livingston strain of Earliana the fruits are quite uniform in size and of smooth, regular form, averaging 3 inches in diameter, and about 2 inches in depth; they are fleshy, solid and excellent for shipping purposes. Pkt. 5 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.30, lb. $4.50, postpaid.

Ponderosa

The largest variety of practical value. The fruits ripen early and it bears well until very late; very solid, almost seedless, of good subacid flavor and of immense size, frequently weighing considerably more than two pounds. Somewhat scattered on the vine, and a small percentage are rather rough. Our strain, however, is now producing a much smoother fruit than when first introduced. Good Tomato for home use; splendid slicer. Pkts. 5 cts. and 10 cts., ½oz. 30 cts., oz. 50 cts., ¼lb. $1.75, lb. $6, postpaid.



Ponderosa Tomato

Chalk's Early Jewel Tomato

Chalk's Early Jewel Tomato

A little later than Earliana—as heavy a cropper, of larger size, fine flavor. Brightest scarlet; ripens up to stem without green core. Flesh thick, bright scarlet, solid, excellent flavor. One of the largest cropping, medium early, varieties we grow. Comes into bearing ahead of Livingston's Stone, almost as large. Pkt. 5 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.30, lb. $4.50, postpaid.

Gulf State Market

A medium-sized, early, purple sort, recently introduced. Our trial-ground tests show that it ripens the same time as our Livingston's Globe, but is smaller; globe shaped. Claimed by the introducer to be a good sort for shipping to northern markets. Pkt. 10 cts., ½oz. 30 cts., oz. 50 cts., ¼lb. $1.75, lb. $6, postpaid.

Redhead

An early, deep red variety of good size and shape. It is very meaty and nearly free from cracks. Fruit is very smooth and runs quite uniform in size; very productive. Pkt. 5 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. $1.40, lb. $5, postpaid.

Dwarf Giant

A new dwarf sort of good size and various other unique characteristics. It is very prolific, producing fruits in clusters around the base of the plant. The fruits of Dwarf Giant, like one of its parents, are rather rough and irregular, but are solid, meaty, and good quality. Of the same color as Ponderosa—the originator calls it a "Dwarf Ponderosa." Pkt. 10 cts., ½oz. 30 cts., oz. 50 cts., ¼lb. $1.60, postpaid.

Crimson Cushion

An extremely large, bright red variety of the Ponderosa type; ripens evenly; good quality; late. Pkt. 5 cts., ½oz. 30 cts., oz. 50 cts., ¼lb. $1.75, lb. $6, postpaid.

Red Rock

Red Rock is, as the name indicates, a scarlet-fruited sort of large size. We class it as a late variety, but if started quite early will mature most of the crops before frost. A good general-purpose sort and used as a canning variety by some. Pkt. 5 cts., ½oz. 20 cts., oz. 35 cts., ¼lb. $1.15, lb. $4, postpaid.

Mrs. Frank Fredson, Mason County, Wash., writes as follows: "*I must tell you that I think your Bonny Best Tomato and Yellow Beauty Onion are unfailingly ahead of their classes. Have used them a long time and am never disappointed.*"

Matchless

A fine, smooth, main-crop Tomato, of rich cardinal-red color, with solid flesh of finest quality. Grows to good size which it maintains throughout the season Very similar to Livingston's Stone. Pkt. 5 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.30, lb. $4.50, postpaid.

John Baer

An extra-early red-fruited sort of merit. The fruits are large, nearly round, smooth, and of good quality. It is a good variety for market-gardeners and for shippers. Pkt. 5 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.30, lb. $4.50, postpaid.

Norton

This variety is commanding quite a little attention on account of its wilt-resisting qualities. It is similar in habit of growth, color, and season to our Livingston's Stone. The Norton should be a valuable sort for the South, where the wilt is prevalent. Pkt. 5 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. $1.40, lb. $5, postpaid.

Greater Baltimore

A midseason red variety, very heavy, due to its extreme firmness and very thick meat. Fruit ripens evenly; free from ridges and cracks. A good canning sort. Pkt. 5 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.30, lb. $4.50, postpaid.

Mrs. Mary D. Spencer, Los Angeles County, Calif., writes as follows: "*I sent to you for my Tomato seed and you certainly have good seeds. Every seed I sowed germinated, I believe. I hope to have some fine Tomatoes. The plants are thrifty—growing fine.*"

J. E. Goddard, Oakland County, Mich., writes as follows: "*I have the finest Tomato plants I ever raised, from the seed bought from you this spring. I am going pretty strong on Tomatoes and these plants look like there was some cooperation formed between us.*"

Bonny Best Tomato

Bonny Best

Best Red for Greenhouses

One of the finest bright red sorts for growing in greenhouses, and a good one to follow Earliana in the open field. It has been highly recommended by the U. S. Department of Agriculture as well as big growers and shippers throughout the country. Bonny Best is a favorite Tomato of medium size. They are of bright scarlet color, always smooth and of remarkably uniform size and shape. A splendid sort for market and shipping. Pkt. 5 cts., ½oz. 25 cts., oz. 40 cts., ¼lb. $1.30, lb. $4.50, postpaid.

Golden Ponderosa Tomato

Golden Ponderosa equals Ponderosa in size, shape, and quality, but is a rich golden yellow in color. In other words it is, as the name indicates, a yellow-fleshed Ponderosa. Try a packet of each and note the novel effects of the red and yellow fruits sliced together. Pkt. 10 cts.

Livingston's Dwarf Yellow Prince

Introduced by us in 1898

A very choice, dwarf-growing, yellow Tomato; very early. Flesh is solid and the flavor is desirable; of large size and beautiful shape. When sliced with red or purple sorts it is highly ornamental. Pkts. 5 cts. and 10 cts., ½oz. 30 cts., oz. 50 cts., postpaid.

Livingston's Golden Queen

Introduced by us in 1882

"Queen of all the Yellows." Of superior flavor, it is solid, always smooth, entirely free from ridges, large in size, ripens early. Rich golden yellow skin with a tinge of pink on the blossom side. Fine for slicing. Pkts. 5 cts. and 10 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. $1.40, postpaid.

Livingston's Gold Ball

Introduced by us in 1892

Beautiful canary-yellow; flesh thick, fine quality, handsome color; grows in clusters and produces enormous crops. Pkts. 5 cts. and 10 cts., ½oz. 25 cts., oz. 45 cts., ¼lb. $1.40, lb. $5, postpaid.

Small Fruited Tomatoes

Excellent for Preserves, Pickles and Pies

Red Currant. Smallest of all sorts. Pkt. 5 cts., ¼oz. 15 cts.

Red Cherry. Pkt. 5 cts., ¼lb. 15 cts.

Red Pear. Pkt. 5 cts., ¼oz. 15 cts.

Yellow Cherry. Pkt. 5c., ¼oz. 15 cts.

Yellow Pear. Pkt. 5 cts., ½oz. 30 cts.

Yellow Plum. The finest of the small varieties. Pkt. 5 cts., ½oz. 30 cts., oz. 50 cts.

Mixed Small Tomatoes. Pkt. 10 cts.

Yellow Plum Tomato

Odd Tomatoes

YELLOW PEACH. Resembles some peaches so closely in size, shape, and general appearance that at a short distance away it could be taken for a peach. Color a rich golden yellow; very productive. Pkt. 5c., ¼oz. 15c., ½oz. 25c.

GOLDEN HUSK, or WINTER CHERRY. This delicate husk-enveloped Tomato is unequaled for making preserves and pies. Has a strawberry flavor and is very productive. Fruit a handsome golden color, the size of large cherries. Pkt. 5 cts., ¼oz. 15 cts., oz. 25 cts.

PURPLE HUSK. Beautiful; very productive; more acid than Golden Husk; 1 to 2 inches in diameter. Pkt. 5c., ½oz. 30c.

Rube Turnip *Nabos*

First-early varieties of Turnips should be planted just as early in the spring as the ground is dry and warm. Sow them in drills, beds, or later broadcast, or among corn. The Rutabaga varieties, and also the early sorts, will do better if planted in drills; make the drills at least 1½ feet apart, and thin out the plants when well up to 6 inches apart. Cultivate often and thoroughly. We call especial attention to the fact that the Rutabaga varieties should be planted as soon as possible after the middle of June, as they need a longer season than the earlier sorts of Turnips.

One ounce of seed sows 100 feet of drill; one pound will plant an acre

Extra-Early White Milan. This variety is extremely early and because of its small, strap-leaved upright tops, may be planted quite close together, both in the row and in the width of the rows. The roots are clear white, very smooth, flat and are of best quality when only about 2 inches in diameter. The flesh is clear white, mild, sweet and tender. Very desirable for early use and is used also for forcing. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

Extra-Early Purple-Top Milan. Similar to Extra-Early White Milan, except that the roots are a little flatter and an attractive purple-red on the upper portion. The tops are small and upright and are therefore well adapted for forcing. The Milans are the very best for extra early and their quality is fine; very smooth skin and more nearly transparent than any other sort. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 35 cts., lb. $1.25, postpaid.

Purple-Top Strap-Leaf Turnip

Purple-Top Strap-Leaf. An early strap-leaved variety, very extensively used for the table. The leaves are few and upright in growth. The roots are flat, of medium size, purple or dark red above ground, white below. The flesh is white, fine-grained and tender. Roots when in best condition for table use are about 2 to 3 inches in diameter, but can be grown much larger for stock feeding. A very popular sort and one of the best sellers. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid. By express, not prepaid, 5 lbs. $2.50.

EARLY FLAT DUTCH, or WHITE STRAP-LEAVED. A very early, white Turnip, extensively used for the table, especially in the southern states. The leaves are upright in growth. The roots are of medium size, flat, white-fleshed, fine-grained and sweet. When in best condition for table use they are about 3 inches in diameter. This variety is also grown as a field crop. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

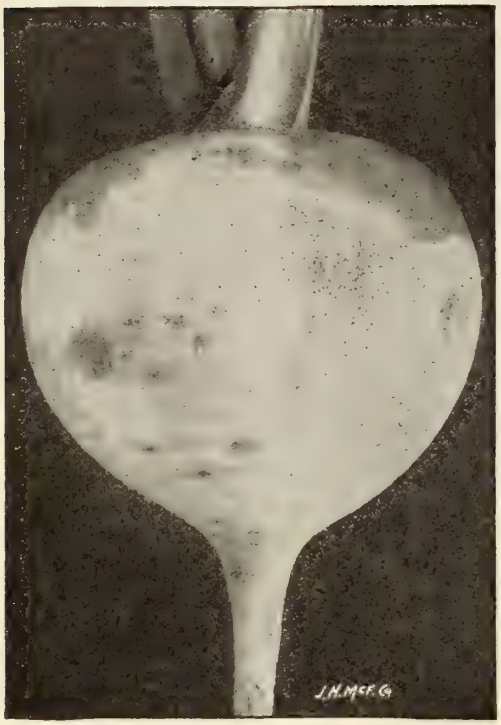
S. S. Raynor, Susquehanna County, Pa., writes: "*I was more than pleased with seed received from you last spring. The Tomatoes raised from your seeds were the finest I have ever grown.*"

Erskine R. Hayes, Clinton County, Ohio, writes as follows: "*Enclosed find order for seed. Would not think of sending any place else for Tomato seed. I know what to depend upon when I order Livingston's. Will mail remainder of order or call personally in a few days.*"

Walter R. Cassel, Cedar County, Mo., writes: "*Tell the Boss we used Livingston's Tomato seed last year and had the finest Tomatoes in the community.*"

Mrs. Alice V. Ruff, Allen County, Ohio. writes: "*I had $1 worth of your seeds last year and I never tasted such sweet Turnips and the longest Red Beets.*"

Ask for prices on large lots of Turnip seed



Purple-Top White Globe Turnip

Purple-Top White Globe. The roots are large, purple or dark red above ground, white below. The flesh is white, fine-grained, and tender. The roots, when in best condition for the table, are about 3 inches in diameter, but can be grown much larger for stock-feeding. Keeps well and is one of the best for market; also a popular home-garden sort. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid. By express, not prepaid, 5 lbs. $2.50.

CARL LAPP, Jackson County, Ohio, writes on January 21, 1921, as follows: *"Am enclosing herewith a small order for garden seeds. A friend induced me to try Livingston's Seeds which I did, and found them such a success that I am sending you my entire order this year. Put me down as a regular customer."*

Turnip, continued

White Egg. An early, egg-shaped variety with smooth, clear white roots of medium size which grow half out of the ground. The flesh is clear white, firm, fine-grained, and sweet. The roots of this quick-growing garden sort when in best condition for use are usually about 1½ inches in diameter and about 3 inches long. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

LARGE WHITE GLOBE POMERANIAN. This is a very productive sort and if planted in good, rich soil the roots attain very large size, sometimes weighing as much as ten pounds. The roots are globe-shaped or slightly flattened; skin very white and smooth. Used for stock-feeding and is also good for table use if pulled when the roots are not more than 4 to 5 inches in diameter. The tops may be used for greens. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 65 cts., postpaid.

SEVEN TOP. This sort is cultivated extensively in the South for the tops which are used for greens, and in many parts of the country is a favorite green feed for stock. Its use like rape for a pasture crop is quite general. It is very hardy and the growth usually continues throughout the winter. The variety is not depended on for the root since the tops are produced so abundantly. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

LONG WHITE, or COW HORN. This variety is clear white, except a little shade of green at the top of the root, which is long in form somewhat similar to a carrot but slightly crooked. The roots are often 12 to 15 inches long by about 2½ inches in diameter and grow about 3 inches out of the ground. The flesh is fine-grained and well flavored, and for table use is in best condition when the roots are about 2 inches in diameter. Desirable for stock-feeding and has obtained considerable favor as a market sort. This variety is used by a great many as a "turn under" crop to improve the soil. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 65 cts., postpaid.

EARLY SNOWBALL. Medium-sized round Turnip; pure white; very fine flavor; flesh is fine-grained; one of the best table varieties. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

YELLOW GLOBE, or AMBER. One of the best yellow-fleshed varieties, grown usually for stock-feeding but is also a good table variety. The roots are of large size and of globular shape. The skin is clear yellow except the top which is tinged with green. Flesh is light yellow, fine-grained, and sweet. The variety keeps well and is a good cropper. Pkt. 5 cts., oz. 10 cts., ¼lb. 20 cts., lb. 65 cts., postpaid.

GOLDEN BALL, or ORANGE JELLY. One of the very best varieties of yellow-fleshed Turnips and one of the mildest flavored. Tops small; roots medium sized, round, very smooth and with deep yellow skin. The flesh is firm, crisp, and of most excellent quality. The roots are in best condition for table use when about 3 inches in diameter. This variety grows very rapidly and may therefore be planted either in early spring or late fall. It is a very good keeper. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

Rutabaga (Swedish or Russian Turnip)

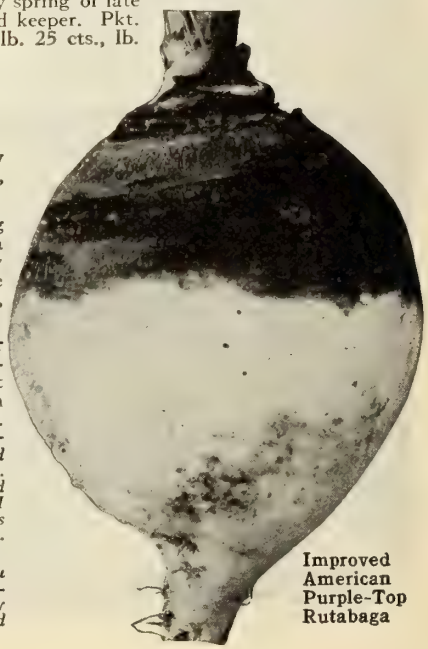
Rutabagas are more especially adapted to sections north of Ohio. They require a longer season for maturing, hence should be sown earlier than turnips, or about June 15.

Improved American Purple-Top. One of the best and heaviest cropping sorts. It is of globe shape with a rich purple top and light yellow below the ground. The quality is fine; very tender, and without the stringy nature common in some sorts. A valuable stock-food and is used as a table variety by many. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 85 cts., postpaid.

LARGE WHITE RUSSIAN. An excellent keeper and very desirable either for the table or for stock, although not as desirable as the American Purple-Top for table use. The roots are very large, nearly globe-shaped or somewhat top-shaped; color white with a shade of green or bronze at the top. Flesh white, firm and sweet. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts., postpaid.

WILL S. HALL, Marion County, Mo., writes as follows: *"I must tell you how good your seed is. Last fall I went to the seed store here for some fresh Turnip seed. These I sowed. I found some of yours that I had kept several years—just did not plant them. Well, I sowed the others about as they should be; yours, I said to myself, are old and guess will not grow. I sowed them thick and they were sure thick when they came up—had to hoe them out. The others I got about one-quarter stand. I used to grow your Buckeye Tomato years ago. It is sure fine. Want to start over again growing it. Want more seed later."*

Miss IDA V. BARR, of Washington County, Md., writes: *"The seeds I ordered from you came promptly to hand, as they always do when ordering from your reliable firm, and were perfectly satisfactory in every way. I wish furthermore to state, in justice to your firm that my mother began to order seeds from Livingston's Seed Company twenty-five years or more ago, and they always came promptly and never a failure in their germination."*



Improved American Purple-Top Rutabaga

Farm Seeds

Our grades of Farm Seeds are away above the average quality, and this makes a big difference in the value—the low, trashy grades being costly at any price—and yet our prices will be found very little, if any, above those quoted by others. The man in charge of this department, having been with us more than forty years, is thoroughly posted and will take pleasure in giving customers any information desired. The prices quoted below are **net cash, free on cars, this city, purchaser paying all transporation charges,** except when quoted postpaid. At the prices given here we make no charges for bags or cartage. The prices quoted are **subject to market fluctuations.** Should any article seem high, or when customers are in need of large quantities we will be pleased to submit samples and quote, **on application, the lowest price that the market will justify at the time. Please state quantities when writing for prices.**

Prices on Farm Seeds are subject to important market changes. Ask for samples and prices before placing your order.

Selected Seed Oats

We have always realized the importance of supplying to growers the best selected Seed Oats, and we can truly say that our efforts in this direction have resulted in our customers obtaining increased yields by sowing our superior stocks. We strongly advise that those customers who wish to secure the best yields use our northern-grown stocks. Many years of experience as growers leave no doubt as to this matter.

REGENERATED SELECTED SWEDISH. (See illustration.) This Oat, originated and introduced by Garten Seed Co., of England, is now well acclimated and has given excellent satisfaction. Weighs from 32 to 40 pounds per measured bushel. The straw is heavy and strong and not liable to lodge. Heads are large, upright, and bushy. Grains are white, large, thick, and plump, with thin hull, making a very fine appearance and very desirable for feeding. Their strong root development enables them to withstand drought better than many varieties; are quite early and less liable to damage by rust than many sorts. Lb. 15 cts., postpaid. By freight or express, not prepaid, 10 lbs. 55 cts., 25 lbs. $1.10, 50 lbs. $2, 100 lbs. $3.90. Bags free.

Regenerated Selected Swedish Oats

Beardless Barley

SILVER MINE. This Oat has the reputation of long standing and is noted for its heavy and reliable yielding properties. It is very hardy and produces beautiful white kernels very desirable for the manufacture of rolled oats. The heads are large and sprangled and borne low down on the stalk, which is stiff, bright, and clean, and seems to prevent lodging. We have handled this very reliable Oat for a number of years. Many farmers will sow no other sort, as they offer all the desirable points namely: Large, plump, white grain, good straw, medium early and good yielder. Lb. 15 cts., postpaid. By freight or express, not prepaid: 10 lbs. 55 cts., 25 lbs. $1.10, 50 lbs. $2, 100 lbs. $3.90. Bags free.

NEW VICTORY. An Oat introduced from Sweden and grown by us on our farms for the past five years on both strong upland and muck. We are much pleased with them, and offer them to our customers with full confidence. The head is large, well spread, and filled with large, white grains. Straw is quite stiff and of good length. Stools freely, especially when sown thinly. This Oat, being of new blood and from an Oat-growing country, leads us to predict for them a successful future. Lb. 15 cts., postpaid. By freight or express, not prepaid, 10 lbs. 55 cts., 25 lbs. $1.10, 50 lbs. $2, 100 lbs. $3.90. Bags free.

Barley, BEARDLESS. The Best Nurse Crop for Sowing with Alfalfa. Barley needs a rich land, more sandy and lighter than that adapted to wheat. It is sown in the spring. It should be cut before fully ripe (unless intended for seed), as it is then of better quality. Use about 100 pounds per acre. Lb. 25 cts., postpaid. By freight or express, not prepaid, 10 lbs. 75 cts., 50 lbs. $3, 100 lbs. $5.75.

Spring Wheat, MARQUIS. (New.) Is similar to Red Fife; quite early; beardless; yellow chaff; very plump, flinty kernel; said to be one of the best. Lb. 25 cts., postpaid. By express or freight, not prepaid, 10 lbs. 70 cts., 50 lbs. $2.75, 100 lbs. $5.

BLUE RIBBON. A very popular variety in the Northwest. Heads are large and well filled; stools freely; kernels very hard. Lb. 25 cts., postpaid. By express or freight, not prepaid, 10 lbs. 70 cts., 50 lbs. $2.75, 100 lbs. $5.

Speltz, or EMMER. A valuable grain recently introduced from Russia. It is adapted to dry sections and poor soil. The straw and grain of Speltz has feeding value equal to barley. **Sow in the spring.** 50 pounds to the acre. Large pkt. 10 cts., lb. 20 cts., postpaid. By freight or express, not prepaid, 10 lbs. 75 cts., 50 lbs. $2.60, 100 lbs. $4.65.

All prices subject to market change

Livingston's Recleaned Clover Seeds

Parties wishing large quantities will do well to get samples and prices before placing their orders. We handle Clover seed on a close margin and supply the finest grades. It is impossible to tell about real value without seeing samples, which will be sent free on application. A bushel of Clover seed is 60 pounds. Pound prices are postpaid. In larger quantities, by parcel post, express, or freight, purchaser pays the transportation charges. For parcel post rates, see page 1.

All prices on Clover and Grass Seeds are subject to market changes and I would suggest that you write for prices before ordering

MEDIUM, or COMMON RED. The most important and valuable of the Clover family. Makes the best of hay. Sow 10 pounds per acre. Lb. 60 cts., postpaid. By freight or express, not prepaid, 3 lbs. $1.35, 5 lbs. $2, 10 lbs. $3.50.

MAMMOTH. Valuable with other grasses for mixed hay. Ripens about with Timothy. Being a rank grower, it is used largely for plowing under. Sow 10 pounds per acre. Lb. 60 cts., postpaid. By express or freight, not prepaid, 3 lbs. $1.35, 5 lbs. $2, 10 lbs. $3.50.

CRIMSON. Should be sown in July, August, and September of each year. Can be sown with corn, or any cultivated crop. Sow 10 to 15 pounds per acre. The spring following it can be cut for soiling on May 1; for ensilage, May 1 to 15; for seed about third week in June. Lb. 50 cts., postpaid. By express or freight, not prepaid, 3 lbs. 90c., 5 lbs. $1.25, 10 lbs. $2.

WHITE DUTCH. Good in permanent pastures, especially for cattle, valuable for bees, and the best variety for lawns. Lb. $1, postpaid. By express or freight, not prepaid, 3 lbs. $2.40, 5 lbs. $3.75, 10 lbs. $7.

Sweet Clover, or Bokhara

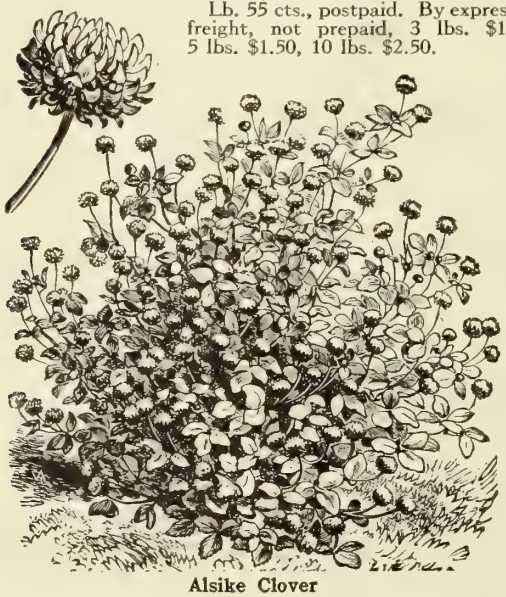
Melilotus alba (White), *M. officinalis* (Yellow), both biennial, and *M. indica* (Yellow), annual, are the varieties in general use. The white-flowered variety is the one we refer to unless otherwise mentioned. It is the strongest grower and by far the best.

When young it resembles alfalfa, but when mature it often stands 5 to 8 feet high and blooms from June to October. The roots of all varieties are large and much branched. Being biennial, all top and roots die at the end of the second year. If cut before seed is ripe, or if pastured so that seed is not matured, the plants last over several seasons.

It is found growing under very varied conditions of both soil and climate, and has been largely used to reclaim old, worn-out, abandoned lands.

Apart from its value as a nitrogen gatherer and humus producer, Sweet Clover is rapidly coming to the front as a hay and pasture crop. Its feed value is nearly equal that of alfalfa, and in a short time stock eat it as readily as they do Red Clover. For hay, cut just before it comes into bloom and handle as you would alfalfa.

Sow clean, hulled seed at the rate of 15 to 20 pounds per acre, from April to September 15, with or without a nurse crop. Lb. 55 cts., postpaid. By express or freight, not prepaid, 3 lbs. $1.05, 5 lbs. $1.50, 10 lbs. $2.50.



Alsike Clover

Sweet Clover

Alsike, or Swedish

Hardiest of all Clovers. On rich, moist soil, yields large quantities of hay or pasturage. Will thrive in soils which are so wet that the Common Red Clover would not live. Unlike some of the other Clovers, which have tap roots, Alsike has many fibrous roots hence is not injured by freezing and thawing of the ground. Esteemed highly by bee-keepers. Sow 5 pounds per acre. Lb. 60 cts., postpaid. By freight or express, not prepaid, 3 lbs. $1.20, 5 lbs. $1.75, 10 lbs. $3.

Hubam Clover

(Annual White Blossom Sweet Clover)

An emergency hay crop, rich pasture, and soil-builder, Hubam Clover is the new fast-growing Annual Sweet Clover about which so much has lately been published in the agricultural press.

Hubam Clover was discovered by Professor Hughes of the Iowa Experiment Station, in 1916.

Hubam reaches a height of from 3 to 7 feet within four to seven months from time of seeding to maturity, when the plant, being an annual, dies. By the use of Hubam one year can be saved in the ordinary three-year rotation. The drought resistant qualities of this Clover are reported as remarkable.

Hubam Clover may be grown in cultivated rows from 1½ to 2½ feet apart, in order that same can be cultivated by hand or by horse-power. Sow three to four pounds per acre, using a small garden seed drill or an alfalfa drill and covering ½-inch deep. In solid seeding, with or without nurse crop or with any of the small grains, use about twelve pounds of seed broadcast per acre.

As to time of seeding, we would advise March or April in preference to later dates, although Hubam has been sown as late as June.

Hubam requires a firm seed-bed with a well-fined mulch of loose soil over the surface.

Be sure to secure certified and scarified seeding stock.

Lb. $1, postpaid. By express or freight, not prepaid, 5 lbs. $4.50, 10 lbs. $7.50.

For larger quantities of Clover Seeds, write for prices

Alfalfa, or Lucerne (*Medicago sativa*)

THE GREATEST FEED ON EARTH

Alfalfa is being more generally grown as experience is teaching our farmers the proper methods to follow. Different soils do not seem so difficult to overcome, especially where they can be properly drained, pulverized, sweetened, and inoculated.

Treat your land to liberal dressing of fine-ground lime or more liberally to fine ground limestone some three months to a year before seeding to Alfalfa.

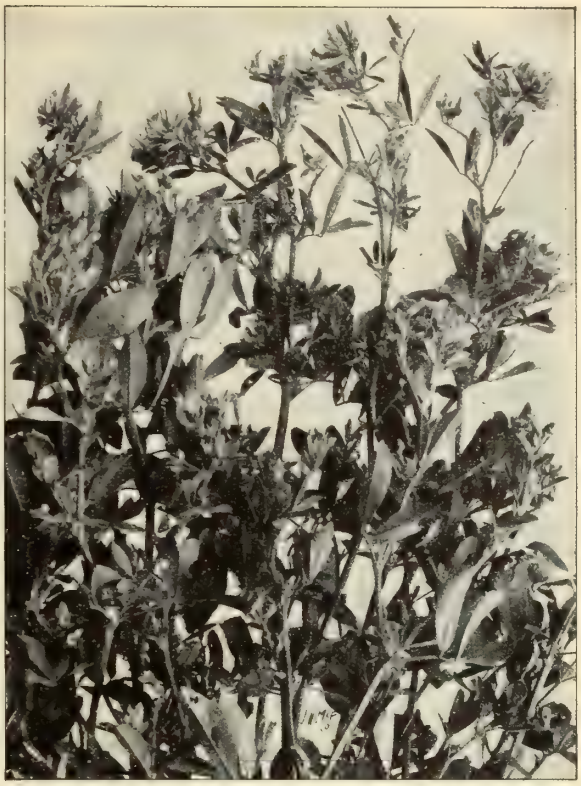
Sow from ten to fifteen pounds well-inoculated seed per acre, using Nitrogen. From April 1 to June 15 is the best time for the early spring sowing, either drilled or sown broadcast. If broadcast cover lightly with a light drag or with single stroke of a harrow.

Alfalfa naturally prefers a deep sandy or gravelly subsoil. The roots grow from 2 to 15 feet deep, and a good stand on properly selected land should yield from three to four cuttings a year. We make a specialty of extra high-grade seed that tests 99 per cent pure or better. Get our samples and prices before ordering. Lb. 60 cts., postpaid. By express or freight, not prepaid, 3 lbs. $1.65, 5 lbs. $2.25, 10 lbs. $4, 25 lbs. $8.75. For larger quantity, write for price.

GRIMM ALFALFA. Renowned the world over for its hardiness. It stools very heavily and the value of this feature can hardly be estimated, as it not only affords immunity from winter losses but the protected underground buds are less liable to injuries from heavy pasturing. The spreading crown seems to be associated with a very much branched surface root system in addition to the deep taproot, and makes surface moisture easily available. Lb. 85 cts., postpaid. By express or freight, not prepaid, 3 lbs. $2.40, 5 lbs. $3.75, 10 lbs. $7, 25 lbs. $16.25. For larger quantity, write for price.

ALFALFA ON WILDWOOD FARM AND HOW TO SUCCEED WITH IT. By H. D. Folmer

A cloth-bound book of 105 pages. Mr. Folmer has given us what we consider the most thorough and practical talk on the subject we have ever seen. Price $1, postpaid.



Alfalfa, or Lucerne

Nitrate Factories for Field and Garden

Quality above all. McQueen's Inoculator for all legumes. State kind of seed you wish to treat

McQueen's Inoculator

Keeps perfectly for at least a year. Guaranteed to give satisfaction or your money back

"NATURE'S EASY WAY"

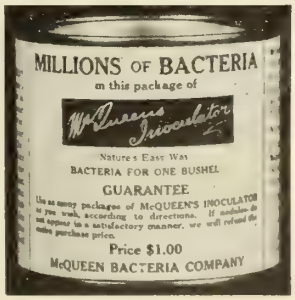
Inoculate your sweet clover, alfalfa, red clover, vetch, soy beans, cowpeas, and all other legume seed. McQueen's Inoculator insures a catch, increases the yield, enriches the soil, and means success with legumes. You can start a nitrogen factory on your farm by inoculating your legume seed with McQueen's Inoculator. An inoculated legume takes nitrogen from the air and stores it in the soil for future crops.

GUARANTEE

Use as many packages of McQueen's Inoculator as you wish, according to directions. If nodules do not appear in a satisfactory manner, we will refund the entire purchase price. Guaranteed by the McQueen Bacteria Company.

Bushel Value for Acre Price. Why Pay More?

One can of McQueen's Inoculator will thoroughly inoculate one **bushel** of seed. One bushel of inoculated clover seed will sow 5 acres. Acre-size bacteria would cost you $5. One bushel size of McQueen's Inoculator costs only $1. SAVES $4. McQueen's Inoculator has a marvelous record because it is bred under natural conditions—virile, kicking, and ready to go. It makes poor land good—good land rich. It is "Nature's Easy Way" of enriching the soil and making greater crops not only of legumes but of the following crops.



Give Your Garden a Square Deal

Inoculate your garden peas, beans and sweet peas.

PRICES

Bushel Size	**$1 00**
½ Bushel Size	**50**
Garden Size	**25**
Combination packet, Peas, Sweet Peas and Garden Beans	**50**

Recleaned Grass Seed

Our Grass and Clover seeds are selected with special reference to their quality. Purchasers may rely upon our best exertions to furnish them with fresh, pure seed and free from noxious weeds.

Prices on Grass and Clover seeds are changing almost daily, **and we can only give prices subject to fluctuations.** No charge for bags at prices quoted below. Pound prices are postpaid. In larger quantities, by parcel post, express or freight, purchaser pays the freight. See page 1 for parcel post rates. Owing to the European War, prices on imported seeds are still much unsettled. If interested in imported Grass seeds or for larger quantities, write for special rates.

AWNLESS BROME GRASS (*Bromus inermis*). Will stand long droughts and still produce heavy crops in dry sections where other grasses would surely perish. Sow from 25 to 30 pounds per acre. (Bus. 14 lbs.) Lb. 60 cts., postpaid. By express or freight, not prepaid, 3 lbs. $1.65, 5 lbs. $2.25, 10 lbs. $4, 25 lbs. $8.75, 50 lbs. $15, 100 lbs. $25.

CRESTED DOG'S-TAIL (*Cynosurus cristatus*). May be sown on lawns; forms a close turf, remaining green for a long time. Height, 1 to 1½ feet. Sow 25 pounds per acre. (Bus. 21 lbs.) Lb. 85c., postpaid. By express or freight, not prepaid, 3 lbs. $2.25, 5 lbs. $3.55, 10 lbs. $6.60, 50 lbs. $30, 100 lbs. $59.50.

MEADOW FESCUE (*Festuca pratensis*). Thrives in all soils; excellent for permanent pastures; starts early; productive. Sow 25 to 35 pounds per acre. (Bus. 24 lbs.) Lb. 55 cts., postpaid. By express or freight, not prepaid, 3 lbs. $1.50, 5 lbs. $2.25, 10 lbs. $4.20, 25 lbs. $10, 50 lbs. $19.50, 100 lbs. $36.

ORCHARD GRASS (*Dactylis glomerata*). Extremely hardy and widely known. One of the earliest to start in the spring. Sow 20 to 30 pounds per acre. (Bus. 14 lbs.) Lb. 55c., postpaid. By express or freight, not prepaid, 3 lbs. $1.50, 5 lbs. $2, 10 lbs. $3.80, 25 lbs. $9, 50 lbs. $17.50, 100 lbs. $30.

PERENNIAL RYE GRASS (*Lolium perenne*). Very nutritious; valuable for meadows or permanent pasture; rapid grower. Sow 25 to 35 pounds per acre. (Bus. 24 lbs.) Lb. 40 cts., postpaid. By express or freight, not prepaid, 3 lbs. $1.05, 5 lbs. $1.25, 10 lbs. $2.20, 25 lbs. $5, 50 lbs. $9.50, 100 lbs. $18.

SHEEP FESCUE (*Festuca ovina*). Grows naturally on light, dry, sandy soils and mountain pastures. Sow 15 pounds per acre. (Bus. about 12 lbs.) Lb. 75 cts., postpaid. By express or freight, not prepaid, 3 lbs. $2.10, 5 lbs. $3, 10 lbs. $5.80, 25 lbs. $14.

RED-TOP GRASS (*Agrostis vulgaris*). Particularly well suited to low and wet situations. Affords splendid pasturage and a fair crop of hay; ripens about with Timothy; forms a firm sod and is a valuable grass for lawns and on lands subject to overflow and wash. (Bus. 14 lbs.) Fancy clean seed. Lb. 45 cts., postpaid. By express or freight, not prepaid, 3 lbs. $1.20, 5 lbs. $1.75, 10 lbs. $3.20, 25 lbs. $7.10, 50 lbs. $13, 100 lbs. $24.

TIMOTHY (*Phleum pratense*). As a crop to cut for hay, Timothy is probably surpassed by no other grass now cultivated. Timothy seed is one of our specialties. Write us for latest prices, whether you want a bag or a carload. (Bus. 45 lbs.) Choice seed, lb. 40 cts., postpaid. By express or freight, not prepaid, 3 lbs. 90 cts., 5 lbs. $1, 10 lbs. $1.80, 25 lbs. $3, 50 lbs. $5.50, 100 lbs. $10.

Sudan Grass

Millet (Golden)

True southern, cultivated, Tennessee-grown stock is far superior to western-grown stock; will grow in any climate or soil, and where conditions are favorable its yield is very heavy—often from two to seven tons per acre of most nutritious feed. It is of special importance, however, to secure she true southern grown stock.

Have the land well plowed and thoroughly pulverized before sowing. Sow for hay not less than 50 pounds per acre at any time between May 1 and July 1. If sown broadcast, cover with single stroke of harrow or light board drag, or it may be sown with a grain drill. We prefer putting seed in with a drill. (Bus. 50 lbs.) Large pkt. 10 cts., lb. 25 cts., postpaid. By freight or express, not prepaid, 3 lbs. 40 cts., 5 lbs. 55 cts., 10 lbs. 80 cts., 25 lbs. $1.75, 50 lbs. $3, 100 lbs. $5.50. Write for price in larger lots.

Hungarian Millet
(Grass)

For good, low ground or rich high land, Hungarian becomes even more valuable than German Millet. It is one of the earliest annual hay crops and can be sown later than any of the Millets. Hungarian Grass is generally looked upon as being much better feed for horses than Millet. Sow from May 15 to July 15 at the rate of 3 pecks to 1 bushel per acre. (Bus. 50 lbs.) Large pkt. 10 cts., lb. 25 cts., postpaid. By freight or express, not prepaid, 3 lbs. 35 cts., 5 lbs. 45 cts., 10 lbs. 75 cts., 25 lbs. $1.65, 50 lbs. $2.75, 100 lbs. $5.

Golden Millet

Sudan Grass

A New Forage Crop of Immense Value to the South and Middle West

The dry region has no other satisfactory hay crop and Sudan Grass will be of great value there.

Sudan Grass is strictly an annual and dies each year, like millet. This makes it fit into any system of rotation.

Sudan Grass grows 5 to 9 feet tall. The stems are very small, rarely thicker than a lead pencil.

The plant stools freely when given plenty of room, and often produces 100 stems from one crown. The tendency to stool is greater after the first cutting, and the hay is finer from the second cutting.

Sudan Grass is not very particular as to soil but does best on rich loam, fairly well drained.

In seeding Sudan Grass, a firm seed-bed is best and it should not be sown until the soil is well warmed up. The best tool for seeding is the common grain drill, and seed should be covered from ½ to 1 inch. When drilled in rows 1½ to 2 feet apart, 4 to 6 pounds are required. When sown broadcast, 16 to 24 pounds per acre should be used. Large pkt. 10 cts., lb. 35 cts., postpaid. By freight or express, not prepaid, 3 lbs. 90 cts., 5 lbs. $1, 10 lbs. $1.75, 25 lbs. $3.75, 50 lbs. $6.50, 100 lbs. $11.

Livingston's Lawn Grass Seed

SOWN IN SPRING OR FALL

Livingston's Capitol Lawn Seed. It contains only the highest grade of grasses suitable for the purpose of making a beautiful, durable, lasting lawn. It germinates quickly and roots deeply. This enables it to withstand the intense heat of summer and the hard cold of winter, showing a beautiful rich green. It contains no annual grasses for making a quick show, to the detriment of a permanent lawn, but has only those which are lasting and hardy. When a lawn is once established from our seed, it lasts for years. From six to eight weeks' time is all that is required to form a close, thick turf of rich, velvety green. We have made the formation of lawns a careful study, and many of the finest lawns and grass plots all over the United States were made from Livingston's Capitol Lawn Grass Seed. For a perfect and enduring lawn of closely interwoven, firm, elastic turf, which will flourish under varied conditions of soil and climate and show a luxuriant rich green growth throughout the year, plant Livingston's Capitol Lawn Grass Seed. It is the cheapest as well as the best lawn grass seed offered. While 14 pounds of lawn grass seed is usually considered a bushel, this will weigh about 22 pounds to the bushel. We sell by the pound instead of quart. This method is very much to the advantage of the purchaser, as a pound of grass seed measures over 1½ quarts. Lb. 65 cts., 3 lbs. $1.80, postpaid. By express or freight, not prepaid, 5 lbs. $2.10, 10 lbs. $4.10, 25 lbs. $10.

"QUICK GROWER" LAWN SEED. We prepare a special mixture that will give quicker results than our Capitol Lawn Seed, yet it makes a good lasting lawn. If you have tried others and failed, give this a fair trial, and we feel sure you will be pleased with the results. 1 pound to 300 sq. ft. Lb. 65 cts., 3 lbs. $1.80, postpaid. By express or freight, not prepaid, 5 lbs. $2.10, 10 lbs. $4.10, 25 lbs. $10.

TENNIS-COURT MIXTURE. A mixture composed of low-growing hardy grasses suitable for grounds of this kind. Lb. 90 cts., 3 lbs. $2.55, postpaid. By express or freight, not prepaid, 5 lbs. $3.75, 10 lbs. $7.25, 25 lbs. $17.50.

Shady Place Mixture. On nearly all lawns there are shaded, bare, and unsightly spots on which the owners have difficulty in getting a stand of grass. For such places this mixture is adapted. It is composed of grasses which naturally grow in shaded places. They are the finest and most costly of all grasses. If the soil is covered with moss or seems "sour" and out of condition, rake off the surface and apply hydrated lime at the rate of 100 pounds to 1,000 square feet; this will sweeten the soil. Lb. 75 cts., 3 lbs. $2.25, postpaid. By express or freight, not prepaid, 5 lbs. $2.60, 10 lbs. $5.10, 25 lbs, $12.50.

GOLF-LINKS MIXTURE. We make a mixture of grasses suitable for golf links, as it will stand rough usage. We can also prescribe for links located on poor or rich, dry or wet soils, telling which grass will best suit each location.

Kentucky Blue Grass (*Poa pratensis*). Also called **June Grass.** This famous grass is well known in all sections and where the land is suitable is one of the most profitable of all for pasture. It grows very slowly at the start, but when once established forms a close, compact turf, making a fine pasture, and is most excellent for lawns. It is sown at the rate of 1 to 2 bushels per acre for pasture, and 4 to 5 bushels for lawn purposes. Lb. 60 cts., postpaid. By express or freight, not prepaid, 3 lbs. $1.35, 5 lbs. $2, 10 lbs. $3.75, 25 lbs. $8.75.

CREEPING BENT GRASS (*Agrostis stolonifera*). Excellent for pasture when mixed with other grasses. Succeeds well in most sections and thrives in moist land. Sow 40 pounds per acre. (Bus. 14 lbs.) Lb. $1.10, postpaid. By express or freight, not prepaid, 3 lbs. $3.00, 5 lbs. $4.75, 10 lbs. $9, 25 lbs. $21.75.

RHODE ISLAND BENT GRASS (*Agrostis canina*). Valuable for lawns, golf-links, tennis courts and pastures. Sow 35 to 50 pounds per acre for lawns, 20 to 30 pounds for pasture. (Bus. 12 lbs.) Ask for price.

For Meadows and Permanent Pastures. We are prepared to furnish seeds adapted to all soils, all situations, and all purposes—for light, medium, and heavy soils. By light soils we mean that which is more or less of a sandy or gravelly nature; the heavy clay and heavy loams; while the medium is between these two. A light, wet soil may be considered same as for heavy soils; a dry, heavy soil, same as the light soils. Write us what you want, giving nature of soil, number of acres, etc., and we will with pleasure, give you estimate and terms.

SPECIAL QUOTATIONS.—We are always pleased to quote special prices to parks, institutions, golf clubs, and others who require Lawn Grass Seed in large quantities. Prices subject to market change.

Sand or Hairy Vetch

Vicia villosa

One of the Newer Leguminous Plants of Value

Since its introduction into this country this plant has made a splendid reputation for itself, especially as a crop to turn under. It succeeds on almost all soils—even poor sandy soils produce quite good crops, though it is much more vigorous on good land. It is very hardy and remains green all winter. It should be sown during August and September, and we advise that it be sown with rye—the rye helps to hold it up. It is much hardier than scarlet Clover and is giving excellent returns in the northern and northwestern states where the winters are very severe and where many forage plants winter kill. It is equally valuable in the South for a hay crop. Every gardener, dairyman, and farmer should use this wonderful soiling plant.

Where conditions of soil, time of sowing, and rainfall have been favorable, it will make from 5 to 10 tons of green top to turn under by May 1 to 15.

The root system is quite heavy, and, like all leguminous plants, bears to a greater or less extent, nitrogen nodules according to season, land, and inoculation.

If the crop is to be used for hay, it will be well to sow 20 to 30 pounds of Vetch, and with it ½ bushel of rye per acre.

If you want any considerable quantity, write for special quotations.

Vetch is largely grown in Europe, and on account of the war, seed is scarce.

Oz. 5 cts., 4 ozs. 20 cts., lb. 50 cts., postpaid. By express or freight, not prepaid, 3 lbs. $1.20, 5 lbs. $1.90, 10 lbs. $3.50, 25 lbs. $7.50, 50 lbs. $12, 100 lbs. $23.

Hairy Vetch

Spring Vetches

A good forage plant; also used for plowing under. Sow 50 to 75 pounds to the acre broadcast, like wheat or barley.

Oz. 5 cts., ¼lb. 15 cts., lb. 35 cts., postpaid. By express or freight, not prepaid, 3 lbs. 90 cts., 5 lbs. $1.25, 10 lbs. $2, 25 lbs. $3.75, 50 lbs. $7, 100 lbs. $13.

For McQUEEN'S INOCULATOR, see page 49

Cow or Southern Peas

There is no surer or cheaper means of improving and increasing the productiveness of soils than by sowing Cowpeas. They put plenty of nitrogenous vegetable matter into the soil at a small cost. For hay they are most valuable. For ensilage they are unsurpassed. When it is desired to turn the entire crop under as a soil improver, it is better to do so after the vines are partly dead. A good picking of the dried Peas can be made before plowing under. Cowpeas can be sown in May or June, after the ground is warm, or about the close of the corn-planting season, at the rate of one-half to one bushel per acre. (Bus. 60 lbs.)

WHIP-POOR-WILL. An early bunch-growing variety, a great favorite in the North and West; is quite prolific. Lb. 35 cts., postpaid. By freight or express, not prepaid, 3 lbs. 40 cts., 5 lbs. 60 cts., 10 lbs. 85 cts., 50 lbs. $3.25, 100 lbs. $5.50.

BLACK. Quick to mature. Well adapted for northern sections. A vigorous grower and a great yielder. Lb. 25 cts., postpaid. By freight or express, not prepaid, 3 lbs. 45 cts., 5 lbs. 60 cts., 10 lbs. $1, 50 lbs. $3.25, 100 lbs. $5.80.

BLACK-EYE. A prolific vine-growing variety of merit; seed often sold for table use. Lb. 30 cts., postpaid. By freight or express, not prepaid, 3 lbs. 45 cts., 5 lbs. 60 cts., 10 lbs. $1, 50 lbs. $3.50, 100 lbs. $6.25.

Market price on Cowpeas changes often. Write for prices on larger quantities when ready to buy.

Buckwheat

Should be sown about the middle of June, using from 1 to 3 pecks of seed per acre. (Bus. 50 lbs.)

NEW JAPANESE. This new sort has proved to be much earlier and more productive than any other variety. Grains very large and of rich brown color. It excels all in yield and earliness. Lb. 25 cts., postpaid. By express or freight, not prepaid, 3 lbs. 45 cts., 5 lbs. 50 cts., 10 lbs. 75 cts., 50 lbs. $2.40, 100 lbs. $4.40.

SILVER HULL. A very good and popular variety. The grain is of light gray color, rounder than the common variety and has a much thinner hull. Lb. 25 cts., postpaid. By express or freight, not prepaid, 3 lbs. 45 cts., 5 lbs. 50 cts., 10 lbs. 75 cts., 50 lbs. $2 40, 100 lbs. $4.40.

Tree and Hedge Plant Seeds

OSAGE ORANGE. The best of all hedge plants. Oz. 15 cts., ¼lb. 45 cts., lb. $1.60, postpaid. By freight or express, not prepaid, 3 lbs. $4.65, 5 lbs. $6.50, 10 lbs. $14.50, 25 lbs. $35.

CATALPA speciosa. A rapid grower and makes the best timber trees. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.60, postpaid.

BLACK LOCUST. A very rapid grower, as fence posts or ties may be cut in ten years from planting seed, and will last a lifetime. Oz. 15 cts., ¼lb. 40 cts., lb. $1, postpaid. By freight or express, 3 lbs. $2.85, 5 lbs. $4.50, 10 lbs. $8.50, 25 lbs. $20, 50 lbs. $37.50.

RUSSIAN MULBERRY. Easily grown; hardy; fine for hedges; makes fence-posts in five years; fruit good. Pkt. 15 cts., oz. $1.10, ¼lb. $3.75, postpaid.

L. C. Camp, Morris County, N. J., writes, August 19, 1919, as follows: *"Our garden spot this year was just a few square feet of very poor stony soil, but even so we were the envy of our neighbors as we gathered in the luscious contents of our little patch. The answer is 'Livingston's Seeds.' Although these were some I had left from last year, and did not expect much from them, every one came up and it was my painful duty to go about pulling up perfectly good, healthy bean plants, etc., as the rows had to be thinned, as usual."*

Dwarf Essex Rape

Dwarf Essex Rape

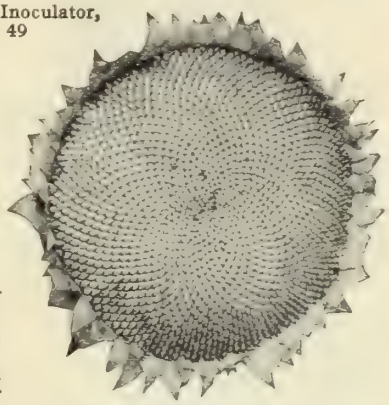
Best Quick-Growing Pasture for Sheep and Hogs

There is but one variety of Rape that has proved profitable in the United States, and that is the Dwarf Essex. No other plant known that will give so much pasture in so short a time at so little cost. Under favorable conditions it is ready for pasture in six weeks from time of sowing and can be sown any time from April to September at the rate of 3 to 5 pounds per acre. Land should be prepared same as for turnips. It is grown for pasture and green manuring. Rape-fed lambs should have free access to salt. One acre of good Rape will furnish food for a flock of twelve sheep for forty-five to sixty days. Our stock is the True Dwarf Essex, and not the worthless annual. (Bus. 50 lbs.) Pkt. 5 cts., lb. 35 cts., postpaid. By express or freight, not prepaid, 3 lbs. 75 cts., 5 lbs. 90 cts., 10 lbs. $1.60, 25 lbs. $3.50, 50 lbs. $6.75, 100 lbs. $13.

For McQueen's Inoculator, see page 49

Mammoth Russian Sunflower

Immense yielder—125 bushels of seed to the acre has been grown at less expense than corn. Very highly recommended for poultry. Best egg-producing food known. Good feed for horses as well. (See illustration.) Oz. 5 cts., ¼lb. 10 cts., lb. 25 cts., postpaid. By freight or express, not prepaid, 3 lbs. 60 cts., 5 lbs. 90 cts., 10 lbs. $1.60, 25 lbs. $3.50, 50 lbs. $6.25, 100 lbs. $12.



Mammoth Russian Sunflower

Improved Evergreen Broom Corn

The best variety for general cultivation on account of the color and quality of brush. Ripens early; grows about 8 to 10 feet high; brush of good length, fine and straight, and always of green appearance when ripe. Our stock is select, having been saved by professional growers for their own planting. (Bus. 46 lbs.) ¼lb. 15 cts., lb. 25 cts., postpaid. By express or freight, not prepaid, 3 lbs. 60 cts., 5 lbs. 90 cts., 10 lbs. $1.60, 25 lbs. $3.50, 50 lbs. $6.50, 100 lbs. $12. **Lowest market prices on large or small quantities will be given on application as long as stocks last.**

Soy-Beans

Soy-Beans have attracted much attention in recent years, and farmers are seemingly convinced of their value as is evidenced by the rapid increase in the acreage devoted to this crop during the past few years. They produce a good crop on soil too acid for growing red clover, and the hay is equal in value to clover. They are comparatively free from attacks of insects and disease and withstand drought very well, seldom failing to make good yields. On land inclined to be wet and cold, Soy-Beans give decidedly better results than cowpeas, as they are not easily injured by excessive moisture. Both Soy-Beans and cowpeas do better on acid soil than red clover. Soy-Beans are valuable for sowing as a catch crop for soil-improvement or for making an emergency hay crop, as they may be planted after small grains are harvested and in most years will make fair yields. They are of great value as stock feed, when thrashed, especially for the dairymen, being as rich or richer in protein than flaxseed, oatmeal, bran, or cotton-seed, and can be used to balance a feed ration to good advantage and make for the dairymen a good saving. Soy-Beans are used extensively in silage with corn, cane, etc. By their use dairymen can make a combination that is wholesome, economical, and a completely balanced ration for milch cows. They also equal or surpass clover as a soil-enricher when plowed under. Try them out; they are valuable.

Medium-Early Green, or GUELPH. One of the oldest and best known sorts. Grows 24 to 28 inches high; stems medium stout; branches often filling the space between 3-foot rows. Pods of medium size. Color of seeds, bright green. Lb. 30 cts., postpaid. By freight or express, not prepaid, 3 lbs. 60 cts., 5 lbs. 80 cts., 10 lbs. $1.20, 50 lbs. $3.75, 100 lbs. $7.

Ito San. This is one of the best for northern part of the state. It grows erect, from 25 to 30 inches tall; seeds straw colored, orbicular in shape, distinguished by a brown spot beside the hilum or point of attachment to the pod. Matures in 100 to 115 days. Lb. 30 cts., postpaid. By freight or express, not prepaid, 3 lbs. 45 cts., 5 lbs. 60 cts., 10 lbs. 90 cts., 50 lbs. $3.25, 100 lbs. $6.

HOLLYBROOK. Very similar to Ito San. Matures in 100 to 115 days. Lb. 30 cts., postpaid. By freight or express, not prepaid, 3 lbs. 45 cts., 5 lbs. 60 cts., 10 lbs. 90 cts., 50 lbs. $3.25, 100 lbs. $6.

Wilson. Plant erect, much branched, leafy. Height, 35 to 40 inches. Ripe about September 15. Seeds rather small, flat and black. A good hay Bean. Called the "king of forage sorts." Lb. 30 cts., postpaid. By freight or express, not prepaid, 3 lbs. 60 cts., 5 lbs. 80 cts., 10 lbs. $1.20, 50 lbs. $3.75, 100 lbs. $7.

MAMMOTH YELLOW. Latest maturing variety. Plants rather coarse; height 3 to 5 feet; ripens in 130 to 150 days. Good yielder. Lb. 30 cts., postpaid. By freight or express not prepaid, 3 lbs. 45 cts., 5 lbs. 60 cts., 10 lbs. 90 cts., 50 lbs. $3.25, 100 lbs. $6.

EBONY SABLE and **OHIO No. 9035.** Ohio-grown stock. **Price same as Early Green.** (Bus. 60 lbs.)

All prices subject to market changes

Soy Beans

Various Types of Sorghum, THE GREAT DRY-LAND FORAGE PLANT

Feterita

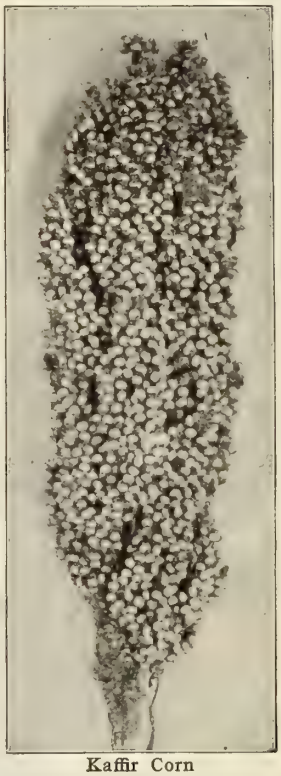
Kaffir Corn

A Great Fodder Crop. The Finest Grain for Poultry and Pigeons

Eaten by all domestic animals, whether fed in the grain or ground and cooked. For grain, sow at rate of 5 to 7 pounds per acre, and cultivate the same as corn. Average yield, 50 bushels per acre. For hay, sow in drills, or broadcast at rate of 50 to 70 pounds per acre, and cut when seed is coming to the dough stage. Makes valuable hay, yielding from 5 to 10 tons per acre. (Bus. 50 lbs.) Oz. 5 cts., lb. 25 cts., postpaid. By freight or express, not prepaid, 3 lbs. 35 cts., 5 lbs. 50 cts., 10 lbs. 80 cts., 25 lbs. $1.75, 50 lbs. $2.75, 100 lbs. $5.

Canada Field-Peas

Every year there is more inquiry for Field-Peas. They stand in the front rank as a fodder for hogs. They can be fed green or dry, and will grow on land that will not produce clover. Sow 1½ to 2 bushels to the acre, or, if with oats, sow 1 bushel of each. Sow the Peas first and plow under 4 or 5 inches; then oats on top and harrow in. Lb. 25 cts., postpaid. By freight or express, not prepaid, 7 lbs. 85 cts., 15 lbs. $1.55, 50 lbs. $4.75, 100 lbs. $9.



Kaffir Corn

Sorghum, or Sugar-cane

For Fodder. Sow, June 1 to 15, 100 pounds of seed per acre, and harrow to cover 1 to 2 inches. Harvest after first frost. Cut with self-binder or mower, and after three days of sun put up in large cocks and feed from field, or store in long, 8-foot wide ricks near feed lot. Yield, 8 to 10 tons per acre. Cows and all stock do as well when fed on it as on grass. (Bus. 50 lbs.) **For syrup,** plant in hills and cultivate same as corn.

EARLY AMBER. The earliest and makes the finest quality of forage or syrup. Oz. 5 cts., lb. 25 cts., postpaid. By freight or express, not prepaid, 3 lbs. 35 cts., 5 lbs. 55 cts., 10 lbs. 90 cts., 25 lbs. $2, 50 lbs. $3, 100 lbs. $5.50.

EARLY ORANGE. A strong grower; stalks heavier and a little later than Amber. Oz. 5 cts., lb. 25 cts., postpaid. By freight or express, not prepaid, 3 lbs. 35 cts., 5 lbs. 55 cts., 10 lbs. 90 cts., 25 lbs. $2, 50 lbs. $3, 100 lbs. $5.

Feterita

An Extra-Early Strain of White Kaffir Corn

Introduced 1912, has again proved its worth planted on both muck and upland on our own farm, and recommend it to all poultrymen, and for use wherever Kaffir corn can be used. It is twenty to thirty days earlier than Kaffir corn, heads equally as large, withstands drought as well or better. One seed produces anywhere from three to ten stalks, each bearing a full-sized head. The stalks are well covered with large blades from the ground up, and after the heads are removed there is from two-thirds to three-fourths as much stover left as would be furnished by any average crop of corn. Seed planted after April 16 was ripe and harvested on our lands September 21. It is one of the surest croppers and one of the best foods for poultry and pigeons. Owing to its earliness, the best of its class for latitudes south of Chicago. Pkt. 5 cts., lb. 25 cts., postpaid. By freight or express, not prepaid, 3 lbs. 35 cts., 5 lbs. 55 cts., 10 lbs. 90 cts., 25 lbs. $2, 50 lbs. $3, 100 lbs. $5.50.

Peanuts

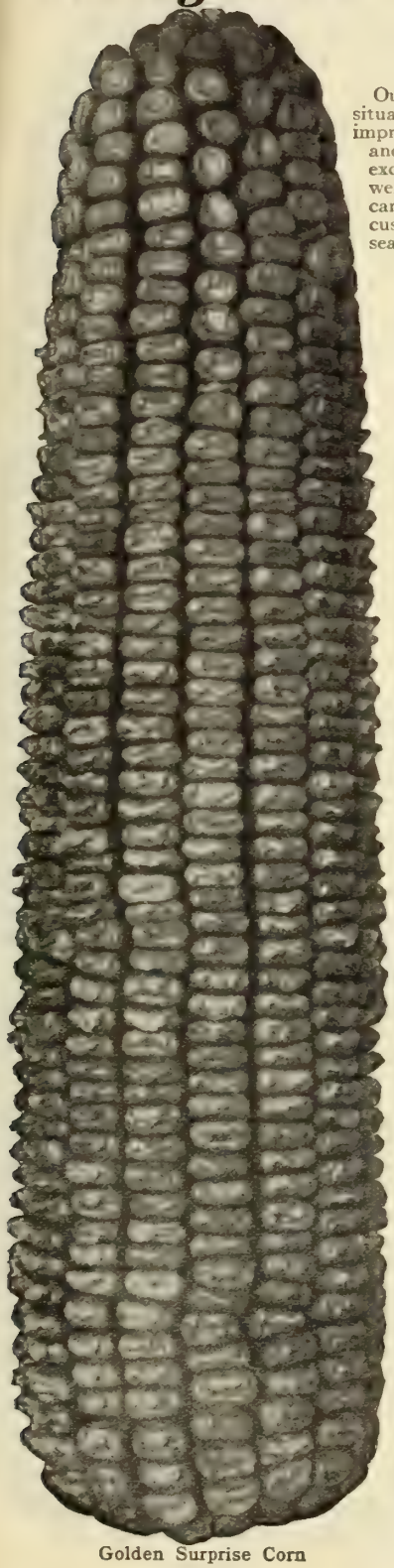
IMPROVED LARGE VIRGINIA. Very profitable variety to grow and easily cultivated; very erect. It has the largest pods and more kernels with fewer imperfect pods than any variety. The vines make valuable forage for stock. (Bus. 22 lbs.) By mail, large pkt. 10 cts., ¼lb. 15 cts., lb. 40 cts., postpaid. By freight or express, not prepaid, 3 lbs. 60 cts., 5 lbs. $1.25, 10 lbs. $2.

SWEET SPANISH. The earliest variety grown. Pods are small, remarkably solid, well filled, and of an extra-fine quality. Yield per acre very large. Large pkt. 10 cts., ¼lb. 15 cts., lb. 40 cts., postpaid. By freight or express, not prepaid, 3 lbs. 60 cts., 5 lbs. $1.25, 10 lbs. $2.

Items on this page are sent at buyer's expense, except as noted. Owing to frequent change in price of items on this page, kindly ask for price, as catalogue goes to press before market is fully known. Will be pleased to quote and send sample on request. All prices subject to market changes.

Sorghum, or Sugar-cane

Livingston's Thoroughbred Field Corn Seed



Golden Surprise Corn

Our Seed Corn is all grown in Central Ohio, and, situated as we are in the famous Scioto River valley, we impress upon you the fact that our facilities for securing and supplying the best strains of Field Corn are not exceeded by any seed firm. Our Field Corn seed is well matured, thoroughly cured, shelled with great care, and all varieties tested before sending to our customers. To avoid delay when ordering late in the season, it would be well for you to mention your second choice or state whether we shall send you a sort adapted to your locality or refund your money, provided we are sold out of your first choice. Fifty-six pounds, or one bushel Field Corn, will plant 5½ to 6½ acres, according to variety, and only costs 50 to 60 cents per acre for choice seed of choice varieties.

Prices of all farm seed quoted in this catalogue are subject to market changes. The prices given are those ruling at time this catalogue is published, January 1, but we reserve the right to change price without notice.

Field Corn seed on the ear can only be supplied while present stocks last

Livingston's Golden Surprise

A variety of great merit offered and named by us in 1898, and, as anticipated, it has met with great favor wherever it has been tested.

Our illustration is from a photograph, and will give you an accurate idea of the ears. The Corn, as a whole, is indicative of its name: **Beautiful** in its rich golden color and even size from butt to tip of the ear. **Profitable** in its depth of grain and small per cent of waste in cob. **Convenient** in its short fodder growth and easy break of ear from the stock. **Certain** in its early maturity, and, all points considered, one of the **best early Corns up to date.**

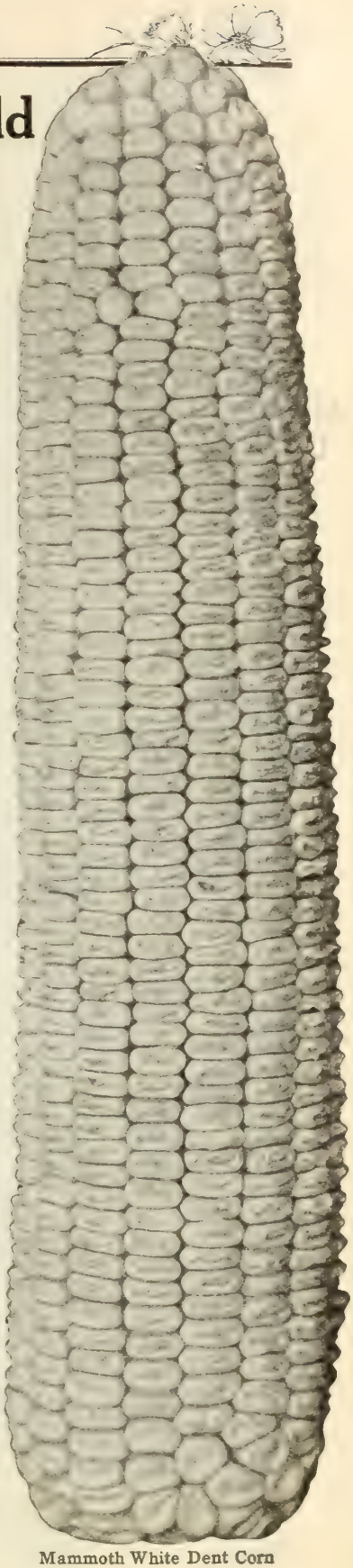
Golden Surprise was not offered to the general public until after ten years of close, careful, critical observation and selection. Tested for years in various localities in comparison with well-known sorts, we find it equal in average bulk to any on the market, but in depth of grain and weight of shelled Corn per bushel, it has no competitor. Its habit of growth is vigorous; medium and strong stalk, with broad leaves, which makes it a valuable fodder Corn.

H. D. Folmer, of Madison County, Ohio, grew (season of 1921) 125.64 bushels per acre as the average per acre on 10 acres, took first prize in the 100-bushel-per-acre contest with this variety, and was presented a medal by the State University agricultural authorities. **For prices, see below.**

Livingston's Mammoth White Dent Field Corn

A very large White Dent Field Corn. Has a broad, very deep, pure white kernel and cob. **Grades strictly white in any market. It is very desirable for white cornmeal, and those desiring a large white Corn cannot fail to be pleased with this splendid variety.** As a grain crop or for ensilage we consider it the equal of any variety we have ever seen tried, and have sold it in large quantities to nearly all the dairymen around this city and many others throughout the country. (See illustration.) **For prices see below.**

Uniform prices on all varieties listed above are: Shelled, large pkt. 10 cts., lb. 20 cts., postpaid. By express or freight, not prepaid: 2 lbs. 35 cts., 7 lbs. 50 cts., 14 lbs. 90 cts., 56 lbs. $3, 100 lbs. $5.25; 68 lbs. (ears), $4.



Mammoth White Dent Corn

All prices subject to market changes

Kilbury's Yellow Hybrid Corn

Field Corn, continued

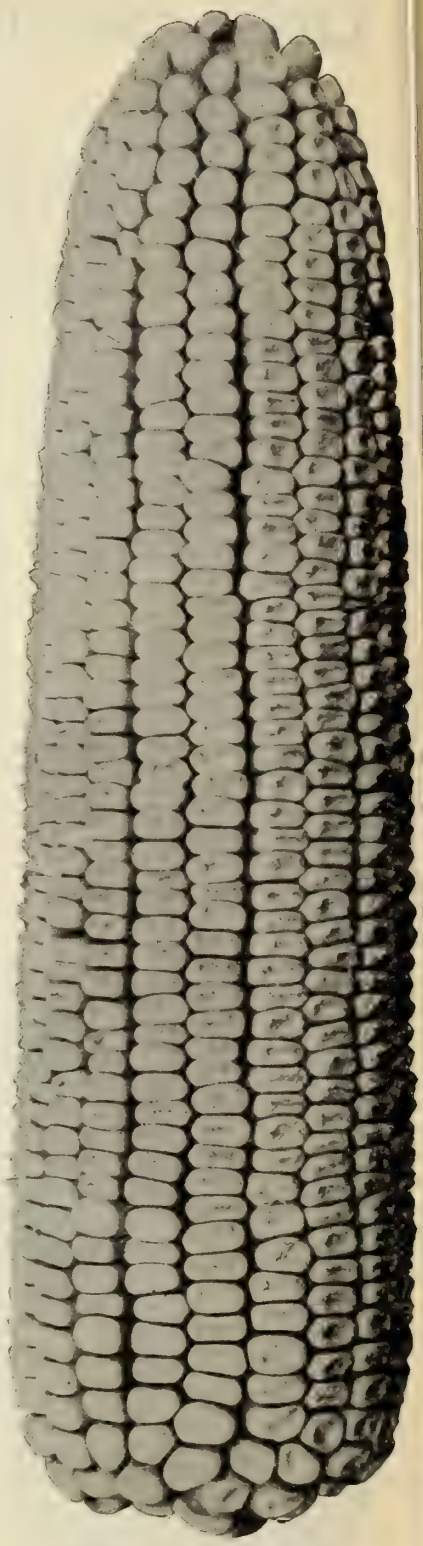
Kilbury's Yellow Hybrid. **A new and very desirable variety. This splendid Corn is one of the most valuable new varieties which has come under our notice for a long time. (See illustration.)** The following is originator's description: "Kilbury's Yellow Hybrid Corn is deep in color, with red cob, which tapers uniformly from butt to tip, with deep grains well compacted on cob. Ears large, from 9 to 12 inches in length. Fodder large; ears 3½ to 5 feet from ground, husks easy; does not fall off in handling. After careful examination of this Corn, both growing in fields and after being harvested, we believe it to be all that Mr. Kilbury claims. It is the result of careful selection from hybrids of Leaming and Clarage, but is much larger than either of the parents. It is a large, medium-early Corn, safe to plant in localities no colder than Ohio. **For prices, see below.**

Johnson County White Dent. For the Corn-growing belt, we are quite sure there is no white Corn grown today of equal merit. It has become famous for yield and quality and especially valuable where one wishes to grow show stock. The shape of the ear is cylindrical to within about 2 inches of the tip, then slightly tapering. Tips fill well over the end and a large per cent of the ears are entirely covered with grains. The butts are well rounded out with a medium-sized shank; kernels very uniform wedge-shaped, pure white; white cob. Ears average about 10 inches in length with the circumference about three-fourths of the length. Of strong and vigorous habit of growth and well covered with broad blades—very valuable for ensilage. The length of season is about 120 days. This Corn has been successfully grown as far north as Ft. Wayne, Ind., and Marion, Ohio. We especially recommend it for the great Corn-growing valleys in latitudes of Columbus and south. **For prices, see below.**

Neller's Cattle Corn. Our attention was directed to this Corn some time since, and ten years ago when good seed Corn was so hard to procure, we introduced it to our trade through our retail store. We catalogued this variety at the same time and reports from all directions to this date (October, 1922) are especially satisfactory. We look upon it as one of our very best strains for general growing. Quite uniform in shape and style of ear and a sure cropper. The Corn is a good deep yellow in color, has deep, well-formed kernels, well dented, but not chaffy, set on a small dark red cob. Ears have 12 to 16 rows and are often 12 inches long and well-grained over the ends. Fodder average in size and leafage. In this locality will ripen in 90 to 100 days.

Uniform prices for all varieties listed above: Shelled, large pkt. 10 cts., lb. 20 cts., postpaid. By express or freight, not prepaid, 2 lbs. 35 cts., 7 lbs. 50 cts., 14 lbs. 90 cts., 56 lbs. $3, 100 lbs. $5.25; 68 lbs. (ears) $4.

RED-COB ENSILAGE CORN. A southern type of large, white Corn, with strong, leafy stalks and short joints. Farmers growing the Red-Cob Ensilage for the first time tell us they hardly know what to do with the enormous yield of fodder. By freight or express, not prepaid, 14 lbs. 75 cts., 56 lbs. $2.40, 100 lbs. $4.20.



Johnson County White Dent Corn

All prices subject to market changes

Notice. Do not forget that our **Field Corn is all grown in Central Ohio,** and fully acclimated. This should not be overlooked in deciding where to place your order.

Field Corn, continued

Reid's Thoroughbred Yellow Dent. **See illustration on right from our own photo. If any seed grain can truly be called pedigreed, the Reid's Yellow Dent Field Corn is certainly entitled to be known as such, as its history dates many years back.** It has been bred up and selected with painstaking care to what is at the present time one of the best varieties of yellow Corn grown. Ear medium in size, remarkably uniform, and one of a bright yellow color, with solid, deep grain and small red cob. Has from 18 to 24 rows of kernels on the cob, 50 to 60 grains in the row and is well filled over the ends, and especially the butt, leaving a small shank, which makes it a great favorite with huskers. Best shredding sort, as it shatters the least of any by actual test. **For prices, see below.**

True Yellow Leaming Field Corn

True Yellow Leaming. **The standard variety for quality.** An extensively grown, large, Yellow Dent variety, which we have grown and sold with the greatest satisfaction for years. **Our improved strain we do not believe is excelled, if equaled, by any other now offered.** It has pure, glossy yellow ears growing low, on very strong, heavy stalks, grains square and deep; ripens quite early—frequently in 100 days from planting. Yields from 75 to 100 bushels per acre. Adapted to rich soils. (**See illustration.**) **For prices, see below.**

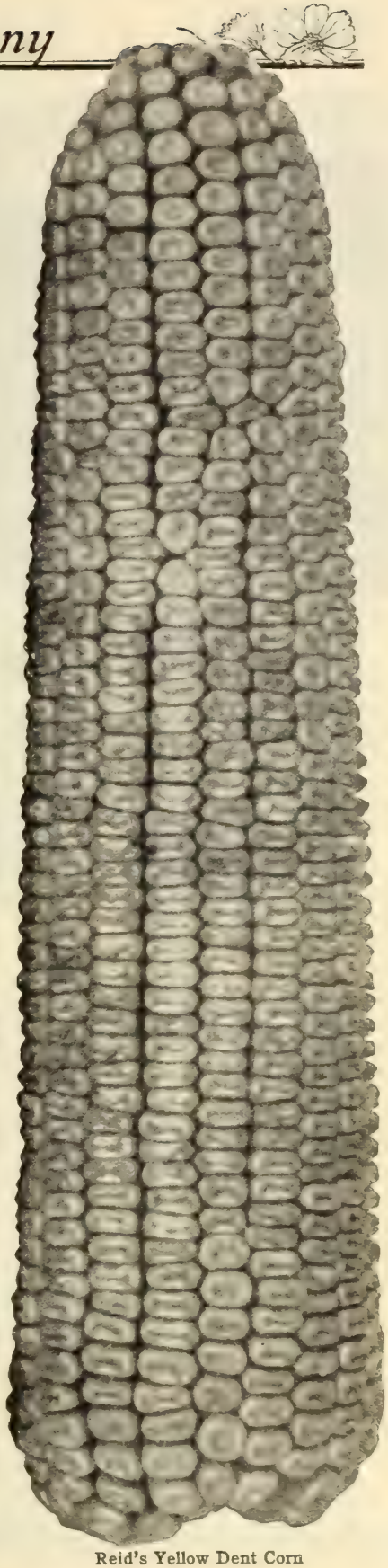
True Yellow Clarage. **Best second-early. Sure to ripen.** This variety has been grown extensively in this locality for over fifty years, and is one of the surest cropping varieties ever grown here. Ripens between Pride of the North and True Yellow Leaming. Ear medium in size, very uniform its entire length, and well filled out at both ends. Husks very easily; of rich golden yellow color and very productive. In favorable seasons will ripen planted as late as the first of July. **Highly recommended as one of the best in points of early maturity, productiveness, and very rich in feeding qualities. For prices, see below.**

Uniform prices for all varieties listed above: Shelled, large pkt. 10 cts., lb., 20 cts., postpaid. By express or freight, not prepaid, 2 lbs. 35 cts., 7 lbs. 50 cts., 14 lbs. 90 cts., 57 lbs. $3, 100 lbs. $5.25; 68 lbs. (ears), $4.

Popping Corn, **LIVINGSTON'S TOM THUMB or JAPANESE HULLESS.** In this variety we have a dwarf-growing Corn, a heavy yielder of attractive ears, peculiar in form, but the grain is very similar to the best strain of White Rice Pop-Corn. The ears are short and thick, and run very uniform. Of a pearly white and the grain is of excellent popping quality and flavor after being popped. We recommend Tom Thumb, believing it will give general satisfaction. Pkt. 10 cts., ½lb. 20 cts., lb. 30 cts., 2 lbs. 50 cts., postpaid. By express, not prepaid, 3 lbs. 60 cts., 5 lbs. 90 cts., 25 lbs. $4.

Queen's Golden. Stalks grow 6 or more feet high, with large ears produced in abundance, pops perfectly Is a favorite with many for feeding small chicks. Pkt. 10 cts., ½lb. 15 cts., lb. 20 cts., 2 lbs. 35 cts., postpaid. By express or freight, not prepaid, 3 lbs. 50 cts., 5 lbs. 80 cts., 25 lbs. $3.50.

Selected White Rice. Our stock of this variety is choice, having been selected very carefully for many years. Very productive, excellent quality; very crisp and delicious. Pkt. 10 cts., ½lb. 15 cts., lb. 20 cts., 2 lbs. 35 cts., postpaid. By express or freight, not prepaid, 3 lbs. 50c., 5 lbs. 80c., 25 lbs. $3.50.



Reid's Yellow Dent Corn

The Flower Seed Department

Our list of flower seeds will be found to contain all sorts of real merit. Many times varieties are listed which are of no value whatever and are so difficult to grow that unless one has every facility for propagation, disappointment is sure to follow the purchase of seed. We want our seeds to give satisfaction and prefer not to have a very extended list, rather than to cause disappointment in any of the varieties procured. Cultural directions will be found on most of our seed packets. We will also give free to customers, on application, a very instructive and helpful leaflet **"Annuals from Seeds."**

Annuals are those flowers that bloom and ripen their seed the first year, then die. Among these are Asters, Balsams, Mignonette, Sweet Peas, Nasturtiums, Morning-Glories, and many other very brilliant and fragrant sorts.

Biennials from seed, generally bloom the second year, then die. Some varieties, if planted early, bloom the first season and therefore are treated as annuals.

Perennials are those that endure our northern winters with little or no protection and live and bloom several years in succession. A large majority of the perennials will bloom the first year if started early in the spring. Hollyhocks, Columbines, Larkspurs, Foxgloves, Poppies, etc., are in this popular class.

Asters

The Aster is, perhaps, the most popular annual flower grown in this country, and justly so on account of its ease of culture, season of bloom, and lasting qualities, both in the garden and as a cut-flower. Seed can be sown in the house in shallow boxes (cigar boxes are good), and in the hotbed in March or in coldframes April 1 and later (about May 1) in the open ground. Transplant the smaller varieties about 8 inches apart in the row and such varieties as Semple's Branching 15 inches apart, the rows to be 2 feet apart. The richer the ground the better your flowers will be and water is very necessary.

1388 **Silvery Rose.** (New.) This new, large-flowering, long-stemmed variety is unique in color, yet harmonizes well with almost all other shades. Every petal is a combination of deep lilac-rose, almost cerise, very delicately threaded with white. The threads are so tiny as to give the petals a silvery sheen. Even the slightest change in light will shade the petals from a rich glowing rosy cerise to a silvery rose. Pkt. 15 cts., ⅛oz. 75c.

1415 **Peerless Yellow.** (New.) The best yellow Aster ever introduced. Every flower will come a beautiful chrysanthemum-yellow and are remarkably full and ball-shaped, with centers deeply covered with curled and twisted florets. The plants are of the branching type and very vigorous. So numerous and large are the flowers that the plants are completely covered with a golden dome. It is certainly a winner in its class and color. Pkt. 15 cts., ⅛oz. 75 cts.

1406 **PEERLESS PINK.** The introducers of this variety state that it is midway between Crego and the late branching varieties and of a beautiful shade of pink. It blooms a little ahead of the late branching and produces its flowers on long stems. Pkt. 10 cts., ⅛oz. 50 cts.

Mr. J Orr Fiscus, Armstrong County, Pa., writes: *"The seeds we bough. from you last year were a grand success. The plants from your seeds got us a prize of $25 at a war garden contest."*

1397 **Heart of France.** (New.) The best pure red Aster ever introduced. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration. The flowers are large and full with never a trace of hollow center. The plants are of branching type and very robust habit. The stems are long and strong and have very few laterals. The plants begin to bloom quite early in the season and open fully with the midseason varieties. They retain their brilliancy and luster for a longer period than almost any other color. Pkt. 15 cts., ⅛oz. 75 cts.

1398 **Sensation.** This new sort is the darkest red of all Asters. The plant averages about 1½ feet high and is of the true branching type. Stems are long and stiff, making it ideal for cutting. The flower is very double and averages about 3 inches in diameter. On account of the deep, velvety red color of Sensation, it is exceptionally fine for either bedding or border. Pkt. 10 cts., ⅛oz. 50 cts.

1494 **AUTUMN GLORY.** Pure seashell, pink. While similar in color to Semple's Pink, it has a better and more substantial flower, a deeper and longer keeping color, larger and stronger type of plant. Its most distinctive characteristic and chief claim for recognition, however, is the fact that it is later in season than any of the other varieties. Pkt. 10 cts., ⅛oz. 50 cts.

Asters, continued

Semple's Giant Late-Branching. Without question, the finest Aster grown. It has size, vigor, fine stem, beauty of form and varied color to recommend it, and, while not so early as many of the other varieties, it stands at the head of the list both for the home-garden and as a florist's flower.

		Pkt.	⅛oz.
1400	**Finest Mixed Colors.** All shades and colors	$0 10	$0 30
1401	**Lavender**	10	40
1402	**Royal Purple**	10	40
1403	**Pure White**	10	40
1404	**Crimson**	10	40
1405	**Shell-Pink**	10	40

Collection of Semple's Giant Asters, 5 above sorts, 40 cts.

Crego. The Crego comes into bloom just ahead of the late branching Asters, and being of Comet type, affords variety in the garden.

		Pkt.	⅛oz.
1407	**Purple.** Rich purple	$0 10	$0 40
1408	**White.** Pure white	10	40
1409	**Pink.** Beautiful pink	10	40
1414	**Lavender.** Rich	10	40
1419	**Mixed.** All colors	10	30

Vick's Early-Branching. The habit of growth is identical with its parent, the Late-Branching Asters. Plants branch freely, are vigorous in growth. They produce flowers on long, stiff stems. The shape of the flower is round, and the size extraordinarily large. A very valuable flower for commercial growers and the home-garden. The new Aster comes in dainty and desirable colors. Our stock of seed is true and comes direct from the original producer.

		Pkt.	⅛oz.
1410	**White.** Pure white	$0 10	$0 50
1411	**Pink.** Beautiful pink	10	50
1413	**Lavender**	10	50
1412	**Mixed**	10	40

1399 **American Beauty.** A variety of recent introduction. The plants are of very strong, vigorous growth, averaging from 2 to 3 feet in height. The flowers are of remarkable size, having the widest petals of any Aster. Type of flower is similar to the Semple's variety but the flowers are much larger and are produced on stiff stems often measuring more than 2 feet. The large flowers are bright carmine-rose and are almost identical in color with the well-known American Beauty rose. Pkt. 15 cts., ⅛oz. 75 cts.

American Beauty Aster

Semple's Giant Late-Branching Asters

King. The habit of growth of this Aster is similar to the branching type, growing vigorously about 2½ feet high; has long stiff stems. In form the flower is entirely new and distinct from any other variety; round, full and very large, many of the flowers measuring from 4 to 5 inches in diameter. Petals somewhat resemble the quilled varieties, but are much longer and broader.

		Pkt.	⅛oz.
1378	**White King.** A recent introduction	$0 10	$0 50
1379	**Pink King.** Blush-pink	10	50
1380	**Violet King.** Soft violet-purple	10	50
1381	**Rose King.** Brilliant rose	10	50
1382	**Mixed King.** Above colors	10	40

Queen of the Market. About two or three weeks earlier than most other Asters. They bloom profusely and are of graceful habit. Their shape is very similar to Semple's Giant-Branching Aster. The perfect flowers are borne on long stems and in great variety of colors, making them extremely useful for cutting. A favorite sort. Height, 1½ feet.

		Pkt.	⅛oz.
1440	**Mixed Colors.** All colors in finest mixture	$0 10	$0 25
1441	**Scarlet.** Brilliant scarlet	10	30
1442	**Pink.** Beautiful pink	10	30
1443	**Crimson.** Rich crimson	10	30
1444	**White.** Pure white	10	30
1445	**Dark Blue.** Beautiful	10	30
1446	**Light Blue.** Sky-blue	10	30

Collection, Queen of the Market Asters, 6 separate colors, 50 cts.

Mrs. H. F. Lindquist, Cook County, Ills., writes *"The Aster seed you sent me last year produced such beautiful flowers that everyone who saw them raved about them. The germination was 100 per cent."*

Asters, continued

Rochester Asters. The Rochester Asters, like those of the Late Branching variety, are large with many long, strong branches. The flowers of the Comet type have long, narrow petals, gracefully recurved, giving them a lightness and grace that make them the most artistic of all Asters. They are the largest Asters now in cultivation.

		Pkt.	⅛oz.
1493	**Shell-Pink**	$0 10	$0 50
1483	**White**	10	50
1484	**Purple**	10	50
1495	**Lavender**	10	50

1492 **Pink Enchantress.** This is a splendid variety of recent introduction. The immense flowers of a soft, delicate pink, are borne on strong, upright plants. The color is that of the popular pink Enchantress carnation. Pkt. 10 cts., ⅛oz. 50 cts.

1390 **Truffaut's Peony-Flowered.** **Mixed Colors.** The improved strains of this grand Aster are considered the finest in cultivation. The large, perfectly double flowers are fine. Height, 2 feet. Fine assortment. Pkt. 10 cts., ⅛oz. 40 cts.

Giant Ostrich Plume. A very large-flowering class, the blooms of which resemble the Giant Comet Asters, as they have the same curled and twisted petals. However, the petals are longer, and the whole flower larger.

1417 **White,** 1418 **Rose-Pink,** 1420 **Azure-Blue,** 1421 **Lavender,** 1422 **Dark Blue,** 1423 **Crimson.** Pkt. 10 cts., ⅛oz. 50 cts.

1416 **Giant Ostrich Plume, Mixed Colors.** Embraces all the desirable colors in splendid mixture. Pkt. 10 cts., ⅛oz. 40 cts.

Collection of Giant Ostrich Plume Asters, 6 separate colors, 50 cts.

Royal. Without doubt one of the best early-flowering sorts. It is quite similar in type of flower to the Late Branching, but will come into bloom only about a week later than Queen of the Market. The flower-stems start from the plant close to the ground, are free from laterals and consequently give their full strength to the production of numerous large, handsomely proportioned flowers.

		Pkt.	⅛oz.
1486	**White.** Pure white	$0 10	$0 40
1487	**Purple.** Royal purple	10	40
1488	**Shell-Pink.** Beautiful pink	10	40
1489	**Lavender.** Rich lavender	10	40

Daybreak. A distinct American class. The plants are erect in habit of growth and attain a height of 18 to 20 inches. The flowers are ball-like in form, with incurved petals about 2½ inches in diameter. Daybreak Asters bloom during August and are excellent for beds or cutting.

1383 **Lavender.** The flowers are of a most beautiful shade of light lavender. Pkt. 10 cts., ⅛oz. 75 cts.

1384 **Pink.** Unequaled in daintiness. The silvery petals are suffused with pink which makes a most pleasing color in any light. Pkt. 10 cts., ⅛oz. 75 cts.

1385 **Salmon.** A light orange-salmon. Very desirable. Pkt. 10 cts., ⅛oz. 75 cts.

1386 **Purity, or White Daybreak.** Snow-white; unusually large. Fine for beds or borders. Pkt. 10 cts., ⅛oz. 75 cts.

1387 **Mixed.** This mixture includes the above colors, together with many others in a properly blended mixture. Pkt. 10 cts., ⅛oz. 60 cts.

Balbino P. Tolentino, Jr., Philippine Islands, writes: *"All the seeds that I ordered from your company arrived all O. K. some time ago and they were in fine shape. I am thanking you for such prompt delivery, even though my home is very far. I say that your seeds deserve the name 'True Blue,' because they are growing in poor soil and poor climate. Am glad you sent me your latest catalogue and thank you very much."*

Mrs. Nellie McCleary, Hardin County, Ohio, writes: *"I had an order of flower seeds from you two years ago and they were wonderful. I only had room for 120 aster plants, but I picked fifty dozen for the sick and funerals in less than two weeks, and my neighbors said they could hardly tell I had picked any. They were nicer than we could buy in the greenhouses."*

Livingston's Superb Mixture

Livingston's Superb Mixture of Giant Asters

Is absolutely unexcelled. A magnificent mixture, producing beautiful flowers, gigantic in size, gorgeous in colors, perfect in form.

1490 **This mixture includes the cream of all the Asters** on this and the other two pages, together with many other sorts of the most beautiful forms and brilliant colors. Our special strain has been especially selected from the finest, large-sized, double-flowering types. Height, about 2 feet. Pkt. 10 cts., ⅛oz. 50 cts.

Livingston's Exhibition Aster Collection

This magnificent collection contains the finest and most complete assortment of mammoth-flowering Asters it is possible to offer—the newest kinds, all colors, all varieties; early and late. The symmetrical globe-shaped and the fluffy chrysanthemum sort.

One large packet each, **Semple's Giant Branching, Mixed; Giant Ostrich Plume, Mixed; Crego, Mixed; Truffaut's Peony Perfection, Mixed; Livingston's Superb Mixture of Giant Asters; Vick's Early Branching Asters; Sensation; all for 50 cts., postpaid.** At regular rates these seeds would cost 70 cts.

In the bag with each collection we will enclose our leaflet "ASTER CULTURE," telling how to grow BIG ASTERS successfully.

1300 **ABRONIA.** Pretty trailing plants with verbena-like, fragrant flowers. Adapted to beds, rockwork, and hanging-baskets. Annuals; good mixture. Pkt. 5 cts.

1302 **ABUTILON (Flowering Maple; Chinese Bellflower).** Universally admired for garden or house culture. Half-hardy shrubs. **Mixed,** pkt. 10 cts.

1308 **ACROCLINIUM. Rose and White, Mixed.** An Everlasting. Gather the first day they open and dry in the shade for winter bouquets. Annuals. Height, 1 foot. Pkt. 5 cts.

1310 **ADLUMIA CIRRHOSA (Mountain Fringe; Allegheny Vine).** A beautiful hardy climber. Pkt. 5 cts.

Sweet Alyssum

One of the sweet-scented flowers that should be in every garden. An easily grown annual, fine for beds, edgings or for cutting. In bloom all summer and the greater part of fall.

1325 **Sweet Alyssum** (*A. maritimum*). One of the most popular of our hardy annuals, both for cutting and for edging. The pure white flowers are noted for their exquisite fragrance. Blooms continually from earliest summer until hard frosts. Pkt. 5 cts., oz. 40 cts.

1327 **LITTLE GEM,** or **CARPET OF SNOW.** A dwarf, very compact-growing variety. While only 6 inches in height, each plant will carpet a circle from 20 to 30 inches in diameter. From early summer until very late autumn the plants are a solid mass of snow-white flowers of delicious fragrance. Pkt. 5 cts., ⅛oz. 20 cts., oz. 75 cts.

1329 **Saxatile compactum (Golden Saxatile,** or **Basket of Gold).** A hardy perennial variety; its flowers are a most brilliant golden yellow. Fine for rockwork. Height, 9 inches. Pkt. 5 cts., oz. 60 cts.

Giant-Flowered Antirrhinum
(SNAPDRAGON)

This old favorite is one of the most beautiful and useful border plants of our gardens. Its very graceful flowers are borne on long stems and in the greatest diversity of colors. The spikes of flowers are most brilliant and showy. Height, 2 feet.

	Pkt.	⅛oz.
1340 **Giant White.** Pure snow-white	$0 10	$0 40
1341 **Giant Rose.** Delicate rose-pink	10	40
1342 **Giant Scarlet.** Brilliant scarlet	10	40
1343 **Giant Yellow.** Pure soft yellow	10	40

1344 **Giant Queen Victoria.** Extra large; superb; pure white. Pkt. 10 cts., ⅛oz. 40 cts.

1346 **GIANT-FLOWERING. Finest Mixed Colors.** An elegant assortment of innumerable rich colors and shades, including all the named varieties offered by us. Pkt. 10 cts., ⅛oz. 25 cts., oz. $1.

Collection of Giant Antirrhinums, 5 separate colors, 40 cts.

1347 **Dwarf Mixture.** Contains the very choicest colors. Height, 12 inches. Pkt. 5 cts., ⅛oz. 20 cts.

1348 **Tall Mixture.** The best colors. Height, 2 feet. Pkt. 5c., ⅛oz. 20c.

Asparagus

1372 **Plumosus nanus (Climbing Lace Fern).** One of the prettiest house plants. Its foliage is indispensable for bouquets, and lasts a long time after cutting. Half-hardy perennials. Pkt. (10 seeds), 15 cts., 25 seeds, 30 cts., 100 seeds, $1.

1374 **Sprengeri (Emerald Feather; Abyssinian Parlor Fern).** This is one of the most beautiful plants for either pot culture or hanging-baskets. Useful for bouquets. Grows freely all the year; a popular house plant. Pkt. (15 seeds), 10 cts.

1377 **ASPERULA (Sweet Woodruff).** This charming plant delights in moist, shady situations. Its fragrant leaves and flowers when dried impart an agreeable perfume. Perennials. Height, 1 foot. Pkt. 5 cts.

Ageratum

Ageratum (Floss Flower)

Very showy plants; bloom profusely the whole summer; fine as cut-flowers; splendid for borders, ribbon beds, etc. Half-hardy annuals. (See illustration.)

1312 **PERFECTION BLUE.** Splendid large heads of deep amethyst blue. Compact growth, 9 inches high. Deepest colored of all Ageratums. Fine border. Pkt. 10c., ⅛oz. 25c.

1314 **Princess Victoria Louise.** A very pretty dwarf sort. Bushes 5 to 6 inches high. Splendid combination with Sweet Alyssum. The color is a bright blue, with white center. Pkt. 10 cts., ⅛oz. 25 cts.

1316 **Little Blue Star.** Exceedingly dwarf, bushy growth, not over 4 or 5 inches high. Densely covered with clusters of bright blue flowers. Very fine for edging. Pkt. 25 cts.

1318 **Imperial Dwarf Blue.** 8 inches. Pkt. 5c., ⅛oz. 25c.

1319 **Imperial Dwarf White.** 8 inches. Pkt. 5c., ⅛oz. 25c.

1320 **Mexicanum.** Lavender-blue. 1½ feet. Pkt. 5 cts., ⅛oz. 20 cts.

1321 **FINEST MIXED.** Splendid. Pkt. 5 cts., ⅛oz. 15 cts.

Aquilegia (Columbine)

Aquilegia (Columbine)

Exceedingly showy, early blooming, hardy plants; always favorites, and of easiest culture. The graceful, long spurred flowers are very brilliant. They delight in the moister portion of the garden. The new varieties are greatly enlarged and the range of colors and shades has been largely increased. Hardy perennial. Height, 1½ to 2 feet.

1356 **New Long-Spurred Rose Queen.** A beautiful variety, producing in great profusion very graceful, large-flowered, long-spurred flowers, shading from light pink to dark rose, with white center and yellow anthers. Pkt. 15 cts.

1365 **Chrysantha.** A clear yellow, of the long-spurred type, flowering nearly all summer. One of the best and very hardy. Pkt. 10 cts.

1368 **Cærulea.** The true Rocky Mountain variety. A beautiful blue. State flower of Colorado. Pkt. 10c.

1360 **Double Varieties, Mixed.** Pkt. 5 cts., ⅛oz. 15 cts.

1362 **Single Varieties, Mixed.** Pkt. 5 cts., ⅛oz. 15 cts.

Double-Flowered Balsam

Calendula (Pot Marigold)

One of the easiest grown, most showy, and free-flowering, hardy annuals, producing a fine effect in beds or mixed borders; blooms all the time; fine for cut flowers. Height, 1½ feet.

		Pkt.	Oz.
1526	**Meteor.** Yellow, striped orange	$0 05	$0 25
1527	**Sulphurea plena.** Sulphur-yellow	05	25
1528	**Prince of Orange.** Darker than above	05	25
1529	**Fine Double Mixed.** Contains the choicest sorts	05	20

Calliopsis, or Coreopsis

One of the easiest grown annual flowers. Can be used with fine effect anywhere—in beds, borders or masses. Blooms all the time. Sow the seed thinly when weather becomes warm and soil dry. Height, 1 to 2 feet.

1530 **Hybrida superba.** Very showy new hybrids in great variety of color, varying from pale yellow to rich orange and velvety brown. Height, 1 foot. Pkt. 10 cts., ⅛oz. 15 cts.

1532 **Golden Wave** (*C. Drummondii*). Bushy, compact plants covered with very large bright golden yellow flowers with brown centers. Pkt. 5 cts., ⅛oz. 15 cts.

1534 **Coronata.** Showy, large, pure yellow flowers. Pkt. 5 cts., ⅛oz. 15 cts.

1536 **Mixed Tall Sorts.** All choice varieties. Pkt. 5 cts., oz. 25 cts.

1537 **Mixed Dwarf Sorts.** For bedding. Pkt. 5 cts., oz. 30 cts.

1540 **Lanceolata grandiflora** (Harvest Moon). One of the grandest perennial plants. Fine in masses, or as cut flowers. The individual blooms are very large and of the richest golden yellow. Pkt. 10 cts., ⅛oz. 20 cts., oz. 75 cts.

Campanula (Canterbury Bells)

This old-fashioned flower is a favorite with all. Stately, showy, and of the easiest growth. Hardy biennials.

1560 **LIVINGSTON'S PRIZE MIXTURE.** An elegant mixture of all the finest classes and colors of single and double and "Cup and Saucer" varieties. Pkt. 10 cts.

1561 **Calycanthema "Cup and Saucer."** Our mixture includes all the best colors and varieties. Pkt. 5 cts.

1563 **Finest Double Mixed.** Pkt. 5 cts.

1564 **Finest Single Mixed.** Pkt. 5 cts.

1566 **Pyramidalis (Chimney Bellflower).** A hardy perennial flowering in late summer. Finest mixed. Height, 3½ feet. Pkt. 10 cts.

1568 **Carpatica.** Beautiful free-flowering, hardy perennial; fine for groups and edgings. Height, 9 inches. Blue and White, Mixed, pkt. 5 cts.

Calliopsis

Double Balsam

1500 **LIVINGSTON'S PREMIUM, FINEST MIXED.** Our strain is unsurpassed. The large, double flowers are as fine as the most elegant camellia. The size, fine form, varied and brilliant colors of our Premium Balsams are greatly admired. Pkt. 10 cts., ¼oz. 40 cts.

1504 **Double Camellia-Flowered, Finest Mixed.** A very choice assortment of all the best varieties and colors in these favorite Balsams. Pkt. 5 cts., ¼oz. 25 cts.

1515 **Double Mixed Balsams.** Pkt. 5 cts., oz. 50 cts.

1518 **BALSAM APPLE and PEAR (Momordica), Mixed.** Very curious vine with ornamental foliage. Its large, golden yellow fruit opens when ripe and shows its brilliant blood-red interior. Hardy annuals. Height, 10 feet. Balsam Apple and Pear Mixed, pkt. 5 cts., ¼oz. 15 cts.

1523 **BEGONIAS, Finest Mixed.** Our strain contains a great variety of colors, both in flowers and foliage. A superior assortment. Pkt. 10c.

1524 **Vernon.** An elegant variety, with bright orange-carmine flowers and very dark leaves. Start the seed early in the house or greenhouse. Pkt. 10 cts.

1496 **BALLOON VINE (Love-in-a-Puff).** Rapid-growing, pretty annual climber; delights in a light soil and warm situation; produces white flowers, followed by seed vessels that look like small balloons; makes a fine porch screen. Height, 10 feet. Pkt. 5 cts., oz. 25 cts.

Cineraria

A favorite free-flowering greenhouse plant, with flowers of great richness and diversity of colors. Cinerarias bloom during the winter and spring months and can be planted out in summer. The plants thrive best in a mixture of loam, leaf-mould, and sand.

1648 **Livingston's Prize Mixture.** Contains only the richest and most beautiful colors; large. Pkt. 25 cts.

1650 **Maritima (Dusty Miller).** Silvery white foliage; for edging, ribbon beds, hanging-baskets, etc. Height, 1 foot. Perennial, but usually grown as an annual. Pkt. 5 cts., oz. 40 cts.

1543 **CANARY BIRD VINE.** Easy-growing, free-blooming annual climber for house or garden. Bright yellow flowers resembling a canary bird with extended wings. Height, 10 feet. Pkt. 5 cts., ½oz. 15 cts.

Campanula (Canterbury Bells)

Cannas

Cannas grow nicely from seed, and will bloom the first summer if started early. Soak the seeds in warm water until they begin to swell; then sow them in a box in a sunny window or in the greenhouse. When up to the second leaf, transplant singly into pots and set out in the garden when the weather has become warm and settled.

1580 **Large-flowering French Hybrids, Mixed.** Early flowering and remarkable for large size and beauty of flower and foliage. This collection contains all that is best in Cannas. Pkt. 5 cts., oz. 25 cts.

1582 **Dark-leaved Cannas.** This mixture contains the very choicest varieties we grow in the dark-leaved Cannas. Pkt. 5 cts., oz. 20 cts.

Carnations

Seeds may be sown under glass in the spring, or in open ground, but must be protected in the winter. Half hardy.

1586 **GIANT MARGUERITE.** Enormous flowers; colors most varied and brilliant. They come **into full bloom in four months from sowing** and continue until hard frosts. Our strains are semi-dwarf and strong growers. Height, 1 foot. Out mixture is splendid. Pkt. 10 cts.

1587 **Marguerite, Double White.** Pure white, large flowers; stiff stalks. Pkt. 10 cts.

1588 **Marguerite, Double Yellow.** Pkt. 15 cts.

1585 **LIVINGSTON'S PEERLESS MIXTURE. All bloom the first summer.** A very choice mixture including all superb sorts. Pkt. (about 75 seeds), 15 cts.

1590 **Chabaud's New Giant Perpetual.** Comes into bloom in a little over four months from seed; extra-large size; fine range of colors; is very sweet-scented. Mixed colors, pkt. 10 cts.

1594 **Red Grenadin.** For yielding a quantity of double red flowers, no outdoor Carnation can equal it. Pkt. 10 cts.

1591 **Giant of Nice.** Blooms in four to five months from date of sowing the seed. The flowers are very large; colors varied; very free-flowering. Pkt. 20 cts.

1592 **Fine Double, Mixed.** Pkt. 10 cts.

Marguerite Carnations

Candytuft (Iberis)

Candytuft is among the most highly prized of summer flowers, and no garden is complete without a large quantity of it. Grows easily and blooms all the time until frost. Splendid for cut-flowers. Hardy annual. Height, 1 foot.

Candytuft

1547 **ROSE CARDINAL.** Very large umbel of bright rose-cardinal flowers, so prolific that a bed presents an unbroken sheet of bloom. Height, 8 inches. Pkt. 10 cts., ½oz. 40 cts.

1550 **EMPRESS, or GIANT HYACINTH-FLOWERED.** An improved strain, producing immense trusses of pure white bloom, frequently measuring 4 inches in length by 2 inches through. Fine for bedding and cutting. Height, 1 foot. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

1545 **Large-flowering Dwarf, Mixed.** Pkt. 10 cts., ½oz. 45 cts.

1546 **Large-flowering Dwarf, White.** Pkt. 10 cts., ½oz. 45 cts.

1551 **White Rocket.** Compact spikes. Pkt. 5 cts., oz. 25 cts.

1553 **Odorata.** Pure white; most fragrant. Pkt. 5 cts., oz. 25 cts.

1554 **Mixed Annual Sorts.** Our mixture contains all of the best varieties and colors. Pkt. 5 cts., oz. 30 cts.

1556 **Gibraltarica.** A dwarf evergreen plant flowering in early spring and summer. Much used for rockeries, edging, or in the foreground of perennial borders. A fine little plant worthy of more general cultivation. Lilac, shading to white. Pkt. 10 cts.

1557 **Sempervirens.** Similar to the above except pure white. Pkt. 10 cts.

Celosia, or Cockscomb

Very attractive annual. The crested heads of flowers resemble a cock's comb. The plumed heads are like great feathers. Sow the seed directly in the garden or start early and transplant. Make fine pot plants.

Ostrich Plume Varieties

Very graceful, handsome, pyramidal plants 3 feet high, each branch tipped with brilliantly colored plume resembling an ostrich feather.

1600 **THOMPSONII MAGNIFICA.** Mammoth blossoms of vivid scarlet, purple, blood-red, golden yellow, salmon, etc. Height, 2 feet. Mixed colors, pkt. 10 cts., ¼oz. 30 cts.

1602 **Gold Plume.** Golden yellow. Pkt. 5 cts.

1604 **Fire Plume.** Fiery scarlet. Pkt. 5 cts.

Collection, the 3 new Ostrich Plume Celosias listed above, 15 cts.

Comb Varieties

1609 **GLASGOW PRIZE.** Large and very showy dark crimson combs. Height, 9 inches. Pkt. 10 cts., ⅛oz. 30 cts.

1611 **Finest Dwarf Mixed.** A choice mixture of all sorts and colors. Pkt. 5 cts., ⅛oz. 25 cts.

Centaureas

The various varieties of this popular annual include such favorites as the Bachelor's Buttons or Cornflowers, and Sweet Sultans, old-fashioned flowers of easiest culture. Height, 2 feet.

1616 **BACHELOR'S BUTTON** (*Centaurea cyanus*). The true old-fashioned Bachelor's Button of your grandmother's garden. Mixed colors, pkt. 5 cts., ½oz. 20 cts., oz. 35 cts.

1617 **Emperor William.** Rich, deep blue Bachelor's Button. Pkt. 5 cts.

Giant-Flowering Sweet Sultans

(*Centaurea imperialis*)

The blooms are borne on long stems. Of the easiest growth; very showy in the garden all summer long. (See illustration.)

1620 **Giant Mixed Colors.** An elegant assortment of colors. Pkt. 5 cts., ¼oz. 25 cts., oz. 75 cts.

1627 **LIVINGSTON'S CHOICE MIXTURE.** A grand mixture of all the Bachelor's Buttons and Giant Sweet Sultans. Pkt. 5 cts., ¼oz. 25 cts., oz. 75 cts.

1630 **Mammoth White.** Large snow-white flowers. Plants are of branching type. Pkt. 10 cts., ¼oz. 25 cts.

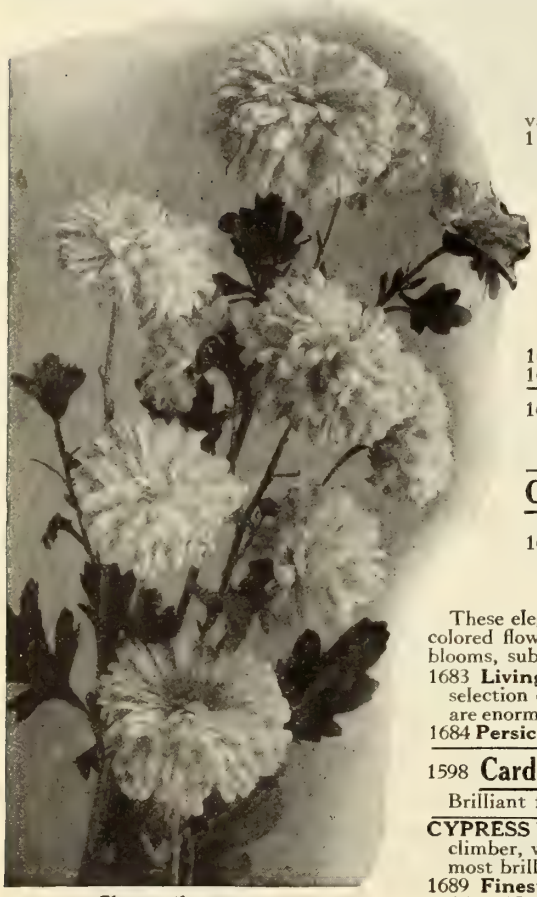
White-Leaved Centaureas (Dusty Millers)

Silver-foliaged plants, extensively used for edging, hanging-baskets, etc.

1629 **Candidissima.** Very thick, broadly cut, silvery white leaves. Height, 1 foot. Pkt. 10 cts.

1628 **Gymnocarpa.** Leaves fern-like; silvery gray color. Fine for borders. Height, 1½ feet. Pkt. 5 cts.

Giant-Flowering Sweet Sultans



Chrysanthemums

Chrysanthemums

The annual sorts bloom throughout the summer while the perennial varieties are gorgeous in the garden every fall. The plants grow from 1 to 3 feet in height.

Annual Varieties

1632 **Double White.** Pkt. 5 cts.

1633 **Double Golden Yellow.** Pkt. 5 cts.

1634 **Double Sorts, Mixed.** All the most desirable colors Pkt. 5 cts., ¼oz. 15 cts.

1635 **Livingston's Choice Mixed Single and Double Sorts.** Very desirable for the summer garden; showy; free-flowering. Pkt. 5 cts., ¼oz. 15 cts.

Perennial Varieties

1641 **Japanese Hybrids.** The best double-flowering varieties. Pkt. 15c

1644 **Inodorum** (Bridal Robe). New; pure white; extra fine. Pkt. 10c.

1658 **Cobæa scandens.** A fine annual climber, often growing 15 to 25 feet in a season. Has handsome foliage and large, bell-shaped flowers of a beautiful deep violet-blue. Pkt. 5 cts., ⅛oz. 20 cts.

Coleus. Beautiful foliage plants, both for greenhouses and bedding out in the garden. The striking colors and brilliant variegated leaves are much admired.

1663 **Fine Mixed Hybrids.** Mixed seed from a very fine collection. Pkt. 10 cts.

Cyclamen

These elegant greenhouse plants have the most beautiful foliage and the richest colored flowers. Seed may be sown in the spring and autumn. For large-sized blooms, substance and brilliant colors, our strains are unsurpassed.

1683 **Livingston's Superb Mixture.** Our best strain; obtained by a continued selection of the choicest varieties of *Cyclamen persicum*. The individual flowers are enormous; plants are profuse bloomers; colors are rich and varied. Pkt. 25 cts.

1684 **Persicum, Finest Mixed.** A choice assortment of varieties and colors. Pkt. 10c.

1598 **Cardinal Climber.** An annual climber of wonderful vigorous growth, climbing 20 feet in a season. Beautifully cut foliage. Brilliant fiery scarlet flowers. Pkt. 15 cts., ⅛oz. 25 cts.

CYPRESS VINE (*Ipomœa Quamoclit*). This is a beautiful, rapidly growing annual climber, with delicate dark green, finely cut, fern-like foliage and masses of the most brilliant and graceful star-shaped flowers.

1689 **Finest Mixed.** A mixture of pure white and bright scarlet. Pkt. 5 cts., ½oz. 15 cts.

Livingston's Mammoth Cosmos

None of our autumn flowers are more prized than the Cosmos. The thrifty plants produce thousands of the most elegant blossoms in pure white, pink, and crimson shades. As a decorative garden plant its value is inestimable, while as cut-flowers for home decoration nothing is finer, especially as Cosmos are in bloom when other outdoor flowers are getting scarce. Plant the seed directly in the garden as soon as the settled spring weather comes, or you may start the plants early in a box in the house and transplant them. In the garden set the plants 1 to 1½ feet apart. One of our most desirable and easy-growing annuals. Height, 5 to 6 feet.

EXTRA-EARLY MAMMOTH. This is a new strain of Cosmos especially selected for size of flowers and earliness. In this new strain we overcome what is very often a disappointment—not getting flowers before frost. The growth of this new Cosmos is so rapid that seed can be sown out-doors where the plants are to grow and within a few weeks the plants will be covered with a mass of large, beautiful flowers and will continue to bloom until frosts come in the fall.

1676 **White.** Pure white. Pkt. 15 cts., ¼oz. 30 cts.

1677 **Pink.** Light pink. Pkt. 15 cts., ¼oz. 30 cts.

1678 **Crimson.** Brilliant. Pkt. 15 cts., ¼oz. 30 cts.

1670 **Mixed.** A well-blended mixture of the above colors. Pkt. 15 cts., ¼oz. 25 cts., oz. 75 cts.

Mammoth Perfection, Giants of California. A magnificent strain. The individual flowers are of enormous size and the most perfect form, while the colors are richly brilliant. These represent the highest developed types in Cosmos. Will keep a week in water after being cut.

1672 **Mammoth Perfection, Mixed.** A superb mixture of every color and shade in these splendid Cosmos. Pkt. 5 cts., ¼oz. 15 cts., oz. 50 cts.

Orchid-Flowered

1680 **Lady Lenox.** Flowers 4 to 5 inches in diameter. Color a delightful shell-pink, lighting up beautifully at night. Splendid variety. Height, 6 to 7 feet. Pkt. 10 cts., ¼oz. 25 cts.

1681 **Lady Lenox, White.** Similar to above except white. Pkt. 10 cts., ¼oz. 25c.

Cyclamen (see page 64)

Giant Double Daisies

(Bellis perennis)

A charming little plant for pots, edgings and borders. (See illustration.) Sow the seeds very early and plants will bloom the first year and continue to bloom each season if given some protection during winter. They do best in a rich soil and quite cool situation. Especially desirable for cemetery decorations. Perennial. Height, about 6 inches.

1710 **Monstrosa, Pink.** A very desirable double sort; dark pink; flowers very large. Pkt. 10 cts.

Giant Double Daisies

1711 **Monstrosa, White.** A large and very double pure white variety. The flowers make fine cut-flowers as the stems are very long. Pkt. 10 cts.

1712 **Monstrosa, Mixed.** This assortment includes the Pink and White Monstrosa, as well as many other finest sorts. Pkt. 10 cts.

Dahlias

Dahlias

Dahlias are easily grown from seed and bloom the first season. The earlier they are started the better, which can be done nicely in a box in a sunny window or the green-house. Some specimens grown from seed are fully equal to many of the named sorts, and there is always the chance of getting some entirely new varieties. The Single Dahlias are being planted more extensively every year; they are quick and profuse bloomers, and their colors are especially rich and brilliant.

1695 **Large-flowering Single Mixed.** Splendid assortment of single-flowering varieties. Pkt. 5 cts.

1698 **Large-flowering Choicest Double Mixed.** This elegant assortment of seed is saved from round, double flowers; many beautiful colors. Pkt. 10 cts.

1702 **Cactus Varieties, Choicest Mixed.** Most popular at the present time; distinct and elegant; petals pointed; blooms perfectly double. Pkt. 10 cts.

1705 **Livingston's Superb Dahlia Mixture.** This splendid assortment embraces every variety of Dahlias, both single and double, described on this page, as well as many other fine sorts. Will make an elegant bed at small cost. Pkt. 15 cts.

Delphinium

Hardy Perennial Larkspur

One of our most brilliant and effective hardy garden plants. Of late years the size and colors of the flowers have been wonderfully improved. Persistent bloomers, even in the driest seasons. Height, 2 to 4 feet.

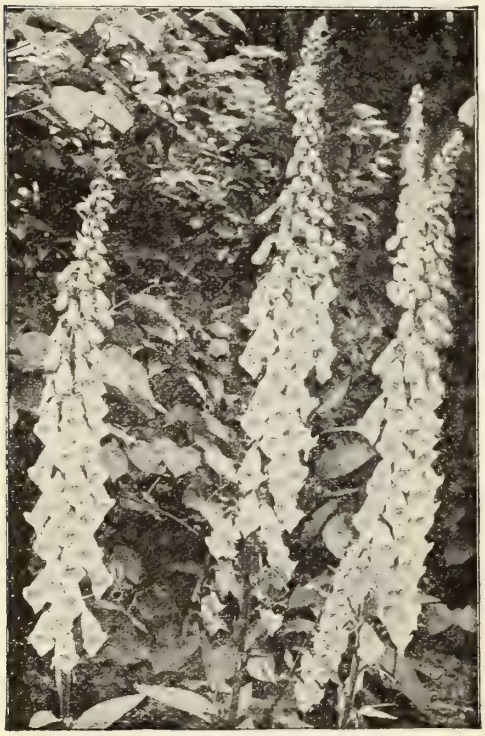
1726 **NEW GIANT-FLOWERING HYBRIDS.** These magnificent hybrids, the grandest of Delphiniums in existence, produce splendid spikes of immense flowers, semi-double and double. Flower-spikes are from 2 to 5 feet in length. The colors are very beautiful, ranging from pure white through all the shades of lavender and blue. Mixed colors, pkt. 20 cts., ⅛oz. 60 cts.

1732 **Formosum.** Elegant spikes of the richest dark blue flowers, with a white center; especially fine for cutting. Height, 4 feet. Pkt. 10 cts., ⅛oz. 40 cts.

1734 **BELLADONNA.** Light sky-blue flowers, with light centers; a very fine variety. Height, 4 feet. Pkt. 20 cts., ⅛oz. 75 cts.

Annual Delphiniums. See Larkspur, page 71

Delphinium formosum



Digitalis (Foxglove)

Digitalis

Foxglove, or Witch's Fingers

The Foxglove, in common with all the hardy perennials, is being planted more extensively each season. The large, tube-like flowers, which are produced so freely in beautiful spikes, add much to our hardy beds and borders. Being of the easiest growth, and doing finely in partially shaded situations, they fill in many gaps most advantageously. Height, 3 feet.

1782 **Gloxiniæflora.** A beautiful class, with spotted flowers. We offer a mixture of the finest varieties. Pkt. 5 cts., ⅛oz. 20 cts.

1784 **Grandiflora.** A variety that grows about 2 feet in height. A very fine yellow in color. Pkt. 5 cts., ⅛oz. 20 cts.

1786 **Monstrosa** (Mammoth Foxglove). A grand strain. The top flowers of the spikes are of enormous size. Our assortment of colors is very fine. Splendid mixed, pkt. 5 cts., ¼oz. 35 cts.

1788 **Purpurea, Finest Mixed.** This is the common Foxglove so generally known. Contains many fine varieties. Pkt. 5 cts., ⅛oz. 20 cts.

If you are intending to plant a flower-garden and are undecided as to just what to plant, refer to inside of back cover of this catalogue where you will find our "Rainbow Collection" of annual flowers at 50 cts., and also our "Bright Array" collection at 25 cts

Dianthus, or Pinks

This elegant family contains many of the most valuable and popular flowers in cultivation. All the sorts classed as annuals may be sown directly in the garden as soon as danger from frost is past. Elegant as cut-flowers. 1 foot.

Hardy Garden or Clove Pinks

This splendid class of hardy perennial Pinks should be in all gardens. They have the delightful clove fragrance.

1778 **New Double Large-flowering Grass or Spice Pinks** (*D. plumarius semperflorens fl.-pl.*). One foot high. The flowers, which are beautifully fringed, are much larger and more double than the old varieties, while the colors are far richer, including a large variety of colors and markings not known to the old-fashioned Pinks. Many are exquisitely spotted and splashed. They emit a delightful, sweet-scented, spicy odor. Perfectly hardy, requiring only the ordinary culture of the Pinks. They increase in size and beauty every year. Bloom profusely during the spring and early summer. Pkt. 25 cts.

1772 **New Single Large-flowering Grass or Spice Pinks, Mixed.** Same as above, only single. Pkt. 5 cts.

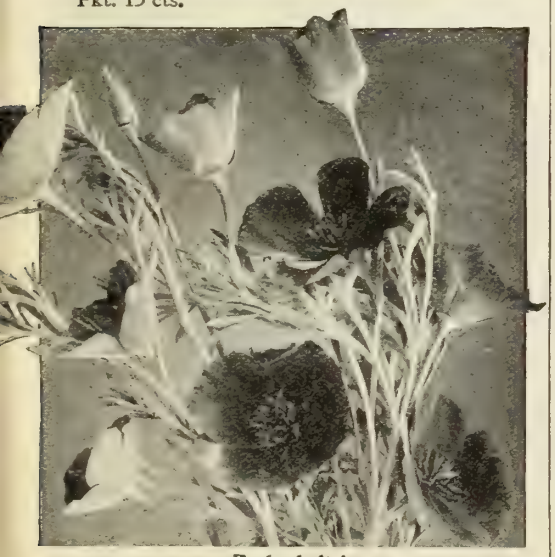
1774 **Double Clove Pinks** (*D. plumarius fl-pl.*). Double and semi-double varieties. Many colors; of strong clove fragrance. Pkt. 10 cts.

1776 **Cyclops Hybrids.** Superb, double-flowering red and scarlet varieties; very fragrant. Pkt. 5 cts.

1777 **LIVINGSTON'S MIXTURE OF HARDY GARDEN PINKS.** A magnificent strain of hardy garden Pinks containing all the sorts described on this page and many new varieties not listed by us. Choicest single and double sorts of bright and brilliant colors make this mixture one of the most desirable for the hardy garden. Pkt. 10 cts., ¼oz. 30 cts., ½oz. 50 cts.

Double Annual Pinks

1740 **NEW GIANT FRINGED AND RUFFLED PINKS, Double Marvelous or Japanese Fringed Pinks** (*D. mirabilis fl.-pl.*). This remarkable and perfectly distinct new strain produces large, perfectly double flowers on stiff, upright stems. The petals are deeply cut into fine strips of thread-like fringes for about half their length, and are twisted in all directions, presenting a novel aspect. In color, they vary greatly, having all shades from pure white to deep purplish red. Pkt. 15 cts.



Eschscholtzia

Livingston's Mixture of Hardy Garden Pinks

Double Annual Pinks, continued

1744 **Laciniatus** (Double Fringed Pinks). Magnificent flowers; very large; double. Mixed colors; striped and fringed edges. Pkt. 5 cts., ¼oz. 25 cts.

1746 **Heddewigii** (Double Japanese Pinks). Flowers very large, perfectly double; many elegant colors and shades, from delicate rose to richest crimson. Pkt. 5 cts., ⅛oz. 20 cts.

1754 **Snowball.** Double, white, fringed flowers; fine varieties. Pkt. 5c.

1756 **Fireball.** A brilliant dark scarlet; plants grow dwarf and bushy; is very fine for bedding or cut-flowers. Pkt. 5 cts., ⅛oz. 25 cts.

1760 **Livingston's Mixture of Double Pinks.** A splendid combination of all the best varieties. Pkt. 5 cts., ⅛oz. 30 cts.

Dolichos (Hyacinth Bean)

A splendid annual climber, with hyacinth-like clusters of purple and white flowers, which are followed by exceedingly ornamental seed-pods. Is of most rapid growth and stands summer heat well. Sow the seeds in the garden in May where the plants are to remain.

1792 **Purple Soudan.** A most decorative climber. The twining stems are of the most intense purple, while the beautiful spikes of bloom are of the richest shade of brilliant rose. Pkt. 5 cts., ½oz. 10 cts.

1794 **Finest Mixed.** Very choice mixture of all the best climbing varieties. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts., ¼lb. 50 cts.

Eschscholtzia (California Poppies)

Most attractive annuals of the easiest culture, their flowers being bright and showy. They are splendid for bedding, massing, or ribbonwork. The plants grow bushy and grow about one foot high. They are favorites everywhere. Bloom profusely from spring-sown seed. (See illustration.)

1804 **Golden West.** Early and continuous bloomer. Magnificent flowers of gigantic size. Color intense shining yellow and orange. The state flower of California. Pkt. 5 cts., ¼oz. 15 cts.

1806 **Finest Double Mixed.** A splendid assortment of colors. Pkt. 5 cts., ¼oz. 15 cts., oz. 50 cts.

1808 **Finest Single Mixed.** All the best varieties. Pkt. 5 cts., oz. 25 cts.

1811 **BUSH ESCHSCHOLTZIA (Hunnemannia).** A fine new perennial plant; forms a bushy shrub 2 feet high, producing large cup-shaped flowers on stems 1 foot long; of clear jonquil-yellow and vivid bright orange stamens. Begins to bloom in July from spring-sown seed. Pkt. 5 cts.

FUCHSIAS (Lady's Eardrops). These well-known plants will flower the first season from seed, if started early. As house plants for winter they are always general favorites. The seed we offer is saved from a fine collection of double and single sorts.

1826 **Best Sorts Mixed.** Pkt. 15 cts.

FOUR O'CLOCK. See Marvel of Peru, page 71.

FORGET-ME-NOT. See Myosotis, page 73.

1824 **FEVERFEW (Matricaria).** Free-flowering annuals about 1 foot high; very compact and bushy. Splendid for beds and borders; also fine as cut-flowers or for pots. The double, white blooms are very useful in bouquets. Pkt. 10 cts.

See Perennial Collection on inside back cover.

Fuchsias

Gourds

1862 **Bath-Sponge, or Dish Cloth.** A most admirable natural dish cloth is furnished by the peculiar sponge-like lining of this fruit. Pkt. 5 cts., ½oz. 20 cts., oz. 35 cts.

1865 **Dipper.** Used for dippers; 9 to 12 inches long; hold from 1 to 4 pints; will last for years. Pkt. 5 cts., oz. 25c.

1868 **Japanese Nest-Egg.** Exactly like a hen's egg in shape, color, and size. Pkt. 5 cts., ½oz. 15 cts., oz. 25c.

1872 **Sugar Trough.** Holds 4 to 10 gallons; hard, thick shells; very light, and strong. Pkt. 5 cts., oz. 25 cts.

1860 **Gourd Mixture.** Contains all of the above sorts. Pkt. 5 cts., oz. 20 cts.

GLOBE AMARANTH. The flowers resemble clover-heads and can be dried and used in winter bouquets. Very effective in beds or borders. Height, 2 feet.

1848 **Red.** Pkt. 5 cts.
1849 **Pink.** Pkt. 5 cts.
1850 **White.** Pkt. 5 cts.
1851 **Mixed.** Pkt. 5 cts.

Gaillardia grandiflora

Geraniums

These popular plants are most easily raised from seed, and if started early will produce flowering plants the first summer. Start in the house and transplant to the garden as soon as the weather is warm. You will find that the varieties we offer are of very superior quality.

1842 **Finest Mixed.** Pkt. 10 cts.

1843 **Large-flowering Double Varieties.** Splendid strain; seed is saved from the finest double sorts. Pkt. 25 cts.

1845 **Lady Washington.** These are the well known rich-colored showy Pelargoniums. Our mixture includes all the best varieties. Pkt. 20 cts.

1846 **Apple-Scented.** The old-fashioned favorite apple-scented Geranium. Pkt. 10c.

Geranium

Gaillardia (Blanket Flower)

There are annual and perennial Gaillardias. The annual sorts bloom all summer and autumn, and are noted for the profusion, size, and brilliancy of their flowers; excellent for beds and borders. The perennial varieties are grand and wonderfully effective in the hardy borders, their especial value being constant blooming from July until hard freezing weather. They require no winter protection, although applications of manure increase their strength. If the seed is sown early they will begin flowering at midsummer. Both classes are splendid as cut-flowers of easy culture, doing finely anywhere. Height, 2 feet.

1830 **Finest Single Annual, Mixed.** A very fine assortment of many brilliant colors. Pkt. 5 cts.

1832 **Finest Double Annual, Mixed** (*G. Lorenziana*). All the best double-flowering varieties in richest mixture. They bloom freely all the season. Splendid for bouquets. Pkt. 5 cts.

1834 **GRANDIFLORA HYBRIDS, Finest Mixed.** One of the most elegant perennials; is in continuous bloom from June until frost. The enormous flowers are a magnificent combination of red and yellow. Splendid to cut for vases. Pkt. 5 cts.

1836 **Grandiflora compacta.** A compact-growing variety similar in bloom to the Grandiflora Hybrids, but only grows about 15 inches high. Its flowers are of the richest colors, and the stems are long. A very fine variety. Pkt. 5 cts.

1854 **GODETIA** (Satin Flower). An attractive and very beautiful hardy annual. In full bloom all summer, so profuse that the foliage is almost hidden by the large wide-open flowers; of shining satiny texture and the most delicate and brilliant colors. Our mixture contains all the best varieties. Height, 1½ feet. **Mixed,** pkt. 5 cts.

1878 **GYPSOPHILA paniculata** (Baby's Breath). An elegant hardy perennial plant that should be in every garden. It is not only pretty in beds, but its delicate little flowers, produced in feathery white panicles, and branching foliage lend a daintiness to bouquets that is most elegant. Its sprays are much used in making up bouquets of sweet peas. Pkt. 5c.

Gypsophila paniculata (Baby's Breath)

Hibiscus (Marshmallow)

Tall growing; especially adapted to backgrounds and shrubbery borders. Of easiest culture, and bloom the entire season. Height, 4 to 5 feet.

1892 **Crimson Eye.** The beautiful white flowers with deep crimson centers, are of immense size, often 6 to 7 inches in diameter. Perfectly hardy. Pkt. 5 cts.

1994 **Mallow Marvels.** A robust type of upright habit, producing an abundance of flowers of enormous size in all the richest shades of crimson, pink, and white. **Mixed colors,** pkt. 10 cts.

Heliotrope

Easily raised from seed. Spring planting gives fine summer-blooming plants. As a bouquet flower it is always a favorite.

1880 **LEMOINE'S GIANT HYBRIDS.** Grand flowers, double the size of the older sorts. Bushes compact, about 18 inches high; heads of mammoth blossoms often measure a foot across. Deliciously fragrant. Seed sown in the spring will produce flowering plants by July, which continue in flower until frost. Mixed, including Purple, White, Lavender, and Blue. Pkt. 10 cts.

1882 **Dark Varieties, Mixed.** All best dark blue and lavender shades in mixture. Pkt. 5 cts.

1884 **All Sorts Mixed.** In best assortment; all shades, both light and dark. A very desirable strain. Pkt. 5 cts.

Hardy Garden Heliotrope. See Valeriana, page 83.

Heliotrope

Helichrysum (Straw Flower)

1888 **Mixed.** A hardy annual of the easiest culture. One of our best "Everlasting" flowers, the dried double bloom being very handsome in winter bouquets. Height, 2 feet. Pkt. 5 cts., ¼oz. 20 cts.

1885 **Monstrosum, Golden Globe.** Yellow. Pkt. 10 cts.

1886 **Monstrosum, Silver Globe.** Glistening white. Pkt. 10 cts.

1887 **Monstrosum, Crimson.** Striking color. Pkt. 10 cts.

1889 **Monstrosum, Violet.** Very rich. Pkt. 10c.

Helichrysum

Humulus (Japanese Hop)

Splendid climber. Has handsome foliage, which resembles that of the common hop vine. Never suffers from heat or attack of insects; easiest culture.

1920 **Japonicus.** Has bright green foliage. Pkt. 5 cts.

1922 **Silver-Leaf.** Unusually beautiful variety of rapid-growing summer climbing vine. Leaves deep green, beautifully striped and blotched with silvery white and gray. Will reach a height of 20 to 30 feet in three or four weeks' time. Pkt. 5 cts., ½oz. 20 cts.

1925 **ICE PLANT** (*Mesembryanthemum*). A very pretty trailing annual that has fleshy, wax-like leaves, which have the appearance of being covered with ice crystals. Splendid for rock-work, vases, or hanging-baskets. Flowers are white. Start seed in the house. Pkt. 5 cts.

1932 **KENILWORTH IVY** (*Linaria Cymbalaria*). A hardy perennial trailing plant suitable for vases, etc. Adapted to shady locations. Easily grown from seed. Lovely little lavender and purple flowers and exquisite foliage. Pkt. 10 cts.

Kochia (Summer Cypress)

1934 **KOCHIA Childsii. Summer Cypress,** or **Burning Bush.** This splendid annual plant grows very quickly from seed sown in the open ground as soon as the weather permits in spring. The plants always make attractive globe-shaped bushes, as large sometimes as 3 feet high and 2 feet across. Leaves slender and of a light pea-green color until September, when they turn to carmine and blood-red; at the same time ends of shoots are thickly set with small bright scarlet flowers and produce a very striking effect. Pkt. 10 cts., ½oz. 20 cts., oz. 35 cts.

T. S. Thomas, Clermont County, Ohio, writes as follows: *"We have been using your seeds for several years with the best results."*

Livingston's Prize Hollyhocks

Hollyhocks

Hollyhocks require a rich soil, but it must be well drained. We give especial attention to this flower, and you will find our strains of seed of the finest quality. Once thoroughly established, they bloom stronger and more brilliant every year. Seeds sown early, and the young plants transplanted several times, will bloom the same season; July- and August-sown seed, following year. Height, 5 to 8 feet.

Livingston's Prize Hollyhocks. These are the largest flowering and most perfectly double Hollyhocks we have been able to procure after many years of selection of only the best varieties. The colors are rich and brilliant, the plants free from disease, as well as very robust and strong growers; in fact, we believe our strain to be unsurpassed in every respect. We offer several separate colors and our best mixture.

1896 **Double Black**
1897 **Double Lemon-Yellow**
1898 **Double White**
1900 **Double Rose-Pink**
1901 **Double Crimson**
1904 **Double Scarlet**
1905 **Double Salmon**

Each color, pkt. 10 cts.

1908 **LIVINGSTON'S PRIZE MIXTURE.** This is our best mixture. It is composed exclusively of the finest double-flowering varieties. It contains not only the above elegant colors, but also innumerable other shades. Pkt. 10 cts., ⅛oz. 25 cts.

1910 **Mammoth Allegheny.** Attractive variety. Its lovely arranged, fringed and transparent petals look as if they were made from the finest China silk. The individual flowers are enormous in size, and in color they range from the palest pink to deepest red. In form the flowers are double, semi-double, and single. Plants are in full bloom from July until frost. Pkt. 10 cts., ⅛oz. 25 cts.

1913 **Mixed Annual Everblooming Hollyhocks.** These glorious new hybrids may be grown from seeds and will flower the same year as quickly as any garden annual. The plants can be treated as annuals. The seeds may be started in the house, or in hotbeds, frames, etc., in March or April. Plants transplanted by the beginning of May in the open ground will commence to flower about the end of July, ten days after Hollyhocks that have been treated as biennials. Pkt. 10 cts., ½oz. 30 cts.

1936 **KUDZU VINE** (*Pueraria Thunbergiana*). This wonderful climber is of Japanese origin and is the most luxuriant and rapid-growing vine known in horticulture. It will grow 8 to 10 feet the first year from seed, and after becoming established will produce vines 50 feet high in a season, sometimes growing 1 foot in a single day. Produces a tuberous root which is perfectly hardy everywhere. Foliage is very luxuriant, quickly forming a dense shade. Unequaled for porches, arbors, trellises, etc. Pkt. 10 cts., ¼oz. 25 cts.

1938 **LANTANA, Mixed.** Popular, free-blooming and very rapid-growing plants with flower-heads of various colors, which are continually changing; emit a powerful aromatic perfume; plants are completely loaded with blossoms, succeeded by berries which, when ripe, turn deep blue. Used largely for bedding out in summer and are also fine winter-blooming plants. Start seeds in the house or hotbed. Tender perennial. Height, 1½ feet. Pkt. 5 cts., ⅛oz. 15 cts.

Lantana

1957 **LAVENDER** (*Lavendula vera*). True Lavender. Popular, sweet-scented, hardy perennial; fine for mixed border. Height, 3 feet. Pkt. 5c.

Lobelia

Exceedingly pretty, profuse-blooming plants of great value, both in the garden and for hanging-baskets, window-boxes, and vases, especially prized for edgings of beds and borders. Plants grow about 6 inches high. They are treated as annuals and are of the easiest culture.

1958 **Crystal Palace Compacta.** Best dark blue sort for edgings and carpet bedding. Pkt. 10 cts., ⅛oz. 40 cts.

1962 **Gracilis.** Fine for hanging-baskets, vases, and window-boxes. Light blue; a trailing variety. Pkt. 5 cts.

1964 **Mixed Compacta Sorts.** A very fine mixture of all the best varieties for edgings and bedding. Pkt. 5 cts.

LYCHNIS. Few plants produce as bright flowers and bloom as continually as Lychnis. A hardy perennial, but flowers the first season from seed if same is sown early. Height, 2 feet.

1971 **Finest Mixed Hybrids.** Plants are compact and bushy; colors include all the most brilliant shades, from pure white to deepest red. Pkt. 5 cts.

Try a packet of our Wild Flower Garden Mixture for the children.
See inside back cover

Larkspur (Annual Delphinium)

1944 **STOCK-FLOWERED.** These tall-growing and branching Larkspurs produce the most brilliant spikes of double flowers; continuously in bloom all summer. All colors mixed, pkt. 5 cts.

1947 **Dwarf Hyacinth-flowered.** Resembles a Dutch hyacinth in style of bloom. Our mixture includes a very fine range of colors and shades. Pkt. 5 cts., ⅛oz. 25 cts.

Annual Larkspur

1949 **Giant Hyacinth-Flowered.** Tall; a superb class. The splendid flowers are very large, very double and of various beautiful colors, shadings and markings; long spikes of bloom like immense hyacinths. Pkt. 10 cts., ⅛oz. 30 cts.

1951 **Double Dwarf Rocket.** A most choice mixture of varieties, that grow about 1 foot in height. Pkt. 5c., ½oz. 15c.

1953 **Double Tall Rocket.** This well-known mixture embraces the very choicest colors in the taller growing sorts. Pkt. 5 cts., ½oz. 15 cts.

For Perennial Larkspur, see Delphinium

Four o'Clock

Marvel of Peru (Four o'Clock, or Mirabilis)

This old-fashioned favorite is one of our easiest grown annuals. The plants are bushy, about 2 feet high, and completely covered all summer with large, showy, very fragrant blooms.

1995 **Variegated.** The brilliant flowers, in many colors, contrast finely with the golden-hued foliage. Pkt. 5 cts., oz. 20 cts.

1997 **Finest Mixed.** An elegant assortment of these old-fashioned favorites. Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts.

Mignonette (Reseda)

Without Mignonette in our gardens, something indeed would be missing. Its large, deliciously fragrant spikes of bloom are everyone's admiration. Make successive sowings in the garden, from April to July, and thin out to 6 inches apart. Pinch top off when about 2 inches high for best results. Height 1 to 2 feet, according to the variety.

2001 **Mammoth Red Goliath.** This is the ideal Mignonette for garden or pot culture. Luxuriant rich green foliage; flowers about 2½ inches in diameter. Strong, delightful fragrance. Pkt. 10 cts., ¼oz. 35c.

2006 **Golden Machet.** Golden yellow. Pkt. 10 cts., ⅛oz. 15 cts.

2007 **Defiance.** Immense spikes. Pkt. 5 cts., ⅛oz. 15 cts.

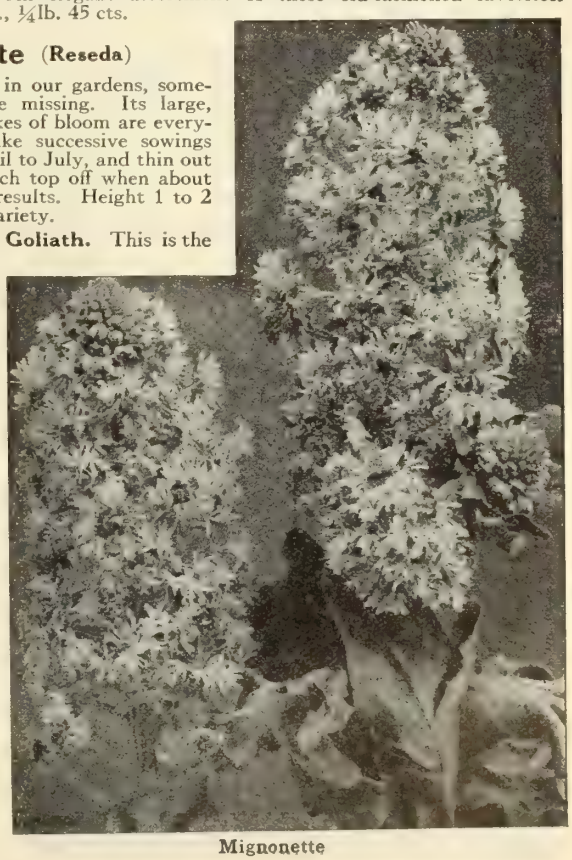
2008 **Victoria, Red.** Brilliant dark-red. Pkt. 5 cts., ⅛oz. 15 cts., ¼oz. 25 cts.

2009 **Golden Queen.** Golden yellow. Pkt. 5 cts., ⅛oz. 15 cts.

2010 **Parson's White.** Pure white. Pkt. 5 cts., ⅛oz. 15 cts.

2011 **Odorata.** Pkt. 5 cts., oz. 25 cts.

2016 **Finest Mixed.** Pkt. 5 cts., ¼oz. 15 cts., ½oz. 25 cts.



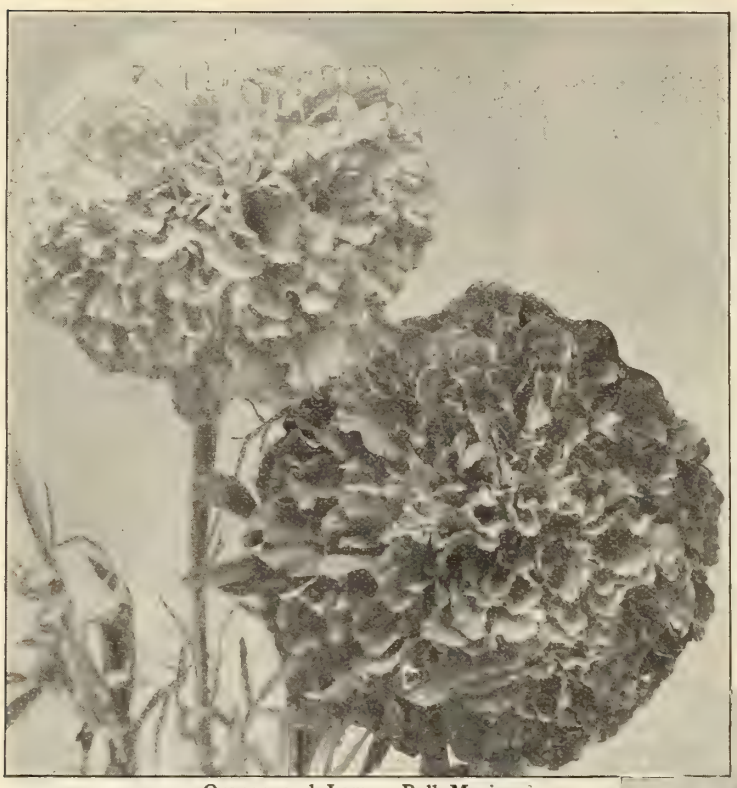
Mignonette

Mimulus (Monkey Flower)

Very showy and free-blooming plants, having brilliant and greatly varied blooms. Fine for pots or in the garden. They do best in rather shaded, moist situations. Height, 1 foot.

2018 **Tigrinus.** Striped and spotted varieties; fine. Pkt. 10 cts.

2020 **Moschatus** (Musk Plant). Fine for hanging-baskets, etc. Small yellow flowers. The foliage has a strong odor of musk. Pkt. 5 cts.



Orange and Lemon Ball Marigolds

Livingston's Marigolds

These old-fashioned favorites are annuals of the very easiest cultivation. Both the French and African classes are very effective. The former have the small, velvety flowers, in pretty combinations of yellow, brown, maroon, and striped effects; the African sorts are the enormous flowered ones, in very showy orange and lemon shades. (See illustration.) Both kinds are most popular for beds and borders, and planted in large blocks are very attractive. They bloom profusely all summer. Start the seed early in a box in the house or plant directly in the garden when the weather is warm. Fine as cut-flowers. French sorts make nice pot plants.

African Marigolds

1972 **LEMON BALL.** Extra-large, round, double flowers of a clear canary-yellow. Pkt. 10 cts., ½oz. 40 cts., oz. 75 cts.

1973 **ORANGE BALL.** Enormous double flowers of intense rich orange. Flowers produced in great profusion from July until cut down by frost. Pkt. 10 cts., ½oz. 40 cts., oz. 75 cts.

1978 **Mammoth Tall, Mixed.** A splendid assortment of all the best shades in African Marigolds. Height, 3 feet. Pkt. 5 cts., ½oz. 25 cts., oz. 40 cts.

1980 **Mammoth Dwarf, Mixed.** The flowers are enormous in size, but the plants grow dwarfer. Height, 1½ feet. Pkt. 5c., ½oz. 25 cts., oz. 40 cts.

French Marigolds

1984 **LEGION OF HONOR (Little Brownie).** Handsome single variety, covered with a multitude of flowers. In color it is a velvety golden yellow blotched with purple. Height, 1 foot. Pkt. 5 cts., ¼oz. 20 cts.

1988 **Tall Double, Mixed.** A splendid assortment of all the best colors in striking combinations. Height, 2½ feet. Pkt. 5 cts., ½oz. 25 cts., oz. 40 cts.

1990 **Dwarf Double Mixed.** Similar mixture to No. 1980 in colors, but the plants grow much dwarfer. Height, 1 foot. Pkt. 5 cts., ½oz. 25 cts., oz. 40 cts.

Mrs. J. I. Stivenson, Indiana Co., Pa., writes as follows: *"I used your seeds last season and will say they give the best results of any seed I used. I expect to continue to use them in the future."*

Legion of Honor (Little Brownie) Marigolds

Moonflowers (*Ipomoea noctiflora*)

Splendid annual climbers of most rapid growth, with beautiful and varied flowers. For covering old walls, trellises, arbors or stumps of trees, they are valuable. The seed should be lightly cut at the end and soaked over night before planting.

2038 **Northern Light.** The earliest blooming of all the Moonflowers. Its lovely pink flowers are produced by the thousands, all summer and fall. Pkt. 10 cts.

2040 **WHITE-SEEDED.** The variety most generally grown, being large in flower, firm in texture, and very fragrant. It bears in graceful profusion its immense lovely, white flowers, 5 to 6 inches in diameter, with a five-pointed star in the center. Pkt. 10c.

2042 **Cross-Bred or Hybrid.** A variety of great value for the North, as it is in bloom a month earlier than the above. Flowers are pure white, large and fragrant. A very rapid grower. Height, 20 to 40 feet. Pkt. 10 cts.

Morning-Glories

2024 **GIANT IMPERIAL JAPANESE.** One of the most valuable and popular annual climbers introduced in years. This strain of mammoth-flowering Morning-Glories is most justly celebrated for the beauty of both flowers and foliage. Magnificent in size and bloom—4 to 6 inches across. The great variety of rich and delicate colors, tints and markings is wonderful. Our mixture of seed of these is superb. Pkt. 10 cts., ½oz. 15 cts., oz. 25 cts., ¼lb. 75 cts.

2026 **Finest Mixed Japanese.** Very choice strain; flowers large, and in greatest variety of colors and shades. Pkt. 5 cts., ½oz. 10 cts., oz. 15 cts.

2028 **Fancy Fringed Japanese.** This is a splendid mixture, made up exclusively from the best fringed varieties. The range of color is very great and fringed-edged blooms very beautiful. Pkt. 10 cts., ½oz. 25c., oz. 35 cts.

2022 **Morning-Glories** (*Convolvulus major*). These are the old-fashioned favorites that everybody loves. No climber is more useful, as they grow so quickly and cling to anything. Splendid mixed with other vines, especially nasturtiums. Our mixture contains all the choicest and brightest sorts. Pkt. 5 cts., oz. 10 cts., ¼lb. 25 cts., lb. 75 cts.

2030 **Brazilian Morning-Glories** (*Ipomœa setosa*). This desirable climber makes a thick, dense growth of great lobed leaves, and is brilliant, with an endless profusion of immense clusters of rose-colored flowers, with a satiny pink star in the center of each. Pkt. 10 cts.

Japanese Morning-Glories

Dwarf, or Bedding Morning-Glories

2036 **Choice Mixed.** A very large assortment of these richly colored favorites. Pkt. 5 cts., oz. 15 cts.

Myosotis (Forget-me-nots)

The Forget-me-not is an old favorite, hardy perennial, bearing clusters of star-shaped flowers. Succeeds best in a moist, shady situation, and blooms the first year from seed sown early. Sow seed in autumn, flowers in early spring.

2050 **Palustris** (True Forget-me-not). Beautiful blue. Height, 6 inches. Pkt. 10 cts.

2051 **Alpestris.** Bright blue. Pkt. 5 cts.

2054 **Semperflorens.** Splendid dwarf Forget-me-not; will thrive in sun or shade, covered from early to late with beautiful blue flowers. Pkt. 5c.

2058 **Finest Mixed.** A mixture of all the finest sorts. Pkt. 5 cts.

Mrs. Lena Pinkston, McLean County, Ills., writes as follows: *"Received the order in fine shape. Before I never received my seed for a month or so after I ordered them, but I will say that when they come from the Livingston Seed Company they come in less than one week. I am always glad to speak a good word for them at any time. The seeds that I have planted are doing nicely."*

Our flower seed collections are great bargains. Don't fail to give them a trial. The inside of the back cover contains collections that should be in every garden.

Nicotiana

Sweet-Scented Tobacco Plant

2158 **Affinis.** A very popular sort; its flowers are pure white and deliciously fragrant. Always in bloom. Pkt. 5 cts.

2160 **Sanderæ.** This beautiful hybrid Nicotiana forms bushy, much-branched plants 2 feet high, the whole plant laden with flowers from base to summit—literally ablaze with handsome carmine-red fragrant blossoms, hundreds of which are produced on a single plant. Pkt. 10 cts.

2163 **NIGELLA, Mixed** (Love-in-a-Mist). A very popular, old-fashioned flower, free-flowering, with finely cut foliage surrounding the curious-looking flowers and seed-pods. Easily grown from seed. Pkt. 5 cts.

Livingston's "True Blue" Flower Seeds

are grown for us by specialists who have had years of experience, and are situated where the climate is best suited to their perfect development. You will take little risk in using them.

Myosotis

Giant-Flowering, Tall or Climbing Nasturtiums

For many years we have made a **specialty of Nasturtiums,** devoting great care to selecting, improving, and hybridizing them. The result of our labors we offer to our customers in this **Perfection Collection of Giant-flowering Nasturtiums,** which we unqualifiedly believe to be the **grandest collection of Nasturtiums ever offered.** It contains seven giant-flowered kinds, each a distinct and beautiful color. They grow easily and bloom freely and, from early summer until killed by frost, are a mass of beautiful flowers, mammoth in size and gorgeous beyond description. **Our Perfection Collection** includes the following **seven separate kinds.**

2066 **GIANT GOLDEN YELLOW.** Mammoth flowers, frequently 3½ inches in diameter, borne on long, strong stems well above the foliage; exquisitely formed with overlapping crinkled petals of a rich golden yellow. Strong, vigorous grower; large, bright green leaves. A grand and distinct variety. Pkt. 5 cts., oz. 20 cts.

2067 **GIANT ROSE.** A most desirable variety, with flowers of a soft rosy pink color; foliage light green. The brightest rose-colored Nasturtium we have ever seen. Abundant bloomer. Pkt. 5 cts., oz. 20 cts.

2068 **GIANT CREAM AND PINK.** The extremely large flowers are of full expanded form; the daintiest of all Nasturtiums. Its superb coloring is of blush-cream, flushed with rose. Nothing we can say can convey an idea of its fairy-like beauty, mammoth size, and splendid substance. Pkt. 5 cts., oz. 20 cts.

2069 **GIANT LEMON AND ROSE.** Grand, extra-large flowers of clear pale lemon color, varying to bright yellow, beautifully blotched with bronze crimson. Pkt. 5c., oz. 20c.

2070 **GIANT DEEP CRIMSON.** The deepest and richest of all dark red Nasturtiums. The foliage is dark green. The mammoth flowers, which are borne in great abundance, have a soft, velvety texture, slightly crumpled petals, and wonderfully rich coloring. Pkt. 5 cts., oz. 20 cts.

2071 **GIANT STRIPED HYBRIDS.** A gorgeous strain of brilliantly striped beauties of various shades and tints; gigantic in size. Its wonderful variety of colors and markings show many unique combinations. Pkt. 5 cts., oz. 20 cts.

2072 **GIANT BRILLIANT SCARLET.** A glowing, flaming scarlet, intense and vivid; the largest of its color; of splendid substance and beautiful form. Pkt. 5 cts., oz. 20 cts.

We strongly recommend everyone who desires truly **Giant-flowered Nasturtiums** to try our **Perfection Collection.**

PERFECTION COLLECTION OF GIANT-FLOWERING NASTURTIUMS

Price. In order to quickly introduce these Nasturtiums and assure a general planting of them this year, we have made the very low price of **7** LARGE PACKETS of the above wonderfully beautiful kinds postpaid, to any address, for **25 cts.**

FIVE COLLECTIONS FOR $1

Tall Mixed Nasturtiums

2094 **Mixed Tall Nasturtiums.** There is no flower of which you need seed in larger quantities for liberal planting than Tall or Climbing Nasturtiums. For the low price, this mixture is very choice. Pkt. 5 cts., oz. 15 cts., ¼lb. 40 cts.

Madame Gunther Hybrid Climbing Nasturtiums

These are of French origin, and for rich and striking colors are not surpassed by any class of climbing Nasturtiums.

2096 **Mixed Colors.** Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts.

Livingston's Top-Notch Mixture

A wonderful diversity of rich colors and new and striking combinations are found in this unequaled mixture. A row in full bloom is beyond description, containing shades of yellow, rose, scarlet, orange, lemon, bronze, maroon, ruby, cream and pink, both in solid colors and mottled and striped in many showy and exquisite ways. For many years this mixture of Nasturtiums has been our special pride. Every year we have improved it, until now we unhesitatingly offer our new Giant-flowering Nasturtiums as absolutely the finest. We strongly recommend our customers to plant liberally.

2100 **Top-Notch Mixture of New Giant-flowering Nasturtiums.** Large pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts.

Tall Nasturtiums, continued

Lobb's Climbing Nasturtiums
(*Tropaeolum Lobbianum*)

Both foliage and flowers of this class are somewhat smaller than the tall varieties, but the splendid profusion of bloom and the intensely brilliant colors of the flowers render them of the greatest value. Height, 12 to 15 feet.

2095 **Lobb's Finest Mixed.** This elegant assortment of Lobb's climbing Nasturtiums is composed of the most brilliant colors in this class. Pkt. 5c., oz. 15c., ¼lb. 45c.

Ivy-Leaved Trailing Nasturtiums

This is a most distinct variety, both in flower and foliage. The plants are of very sturdy running growth, and the leaves, which are of a deep green, veined with silvery white and star-like, resemble the hardy English Ivy. The flowers are intense glowing scarlet and most distinct in form, the petals being finely feathered. Especially graceful in hanging-baskets, window-boxes, and vases.

2101 **Scarlet.** Pkt. 10 cts., ½oz. 20 cts., oz. 30 cts.

New Fringed Nasturtiums

2104 **Mixed.** A decidedly novel and distinct new Nasturtium, with magnificent large flowers, deeply fringed. It is a climbing variety, reaching a height of 10 to 12 feet. Deep green foliage. Pkt. 10 cts.

Marble-Leaved Queen

2110 **Mixed.** A beautiful variety and a new type, having leaves marbled, striped, and blotched with white, yellow, and green. Many colors mixed. Pkt. 5 cts., oz. 25 cts.

Glory of the Garden Nasturtiums

Dwarf Nasturtiums

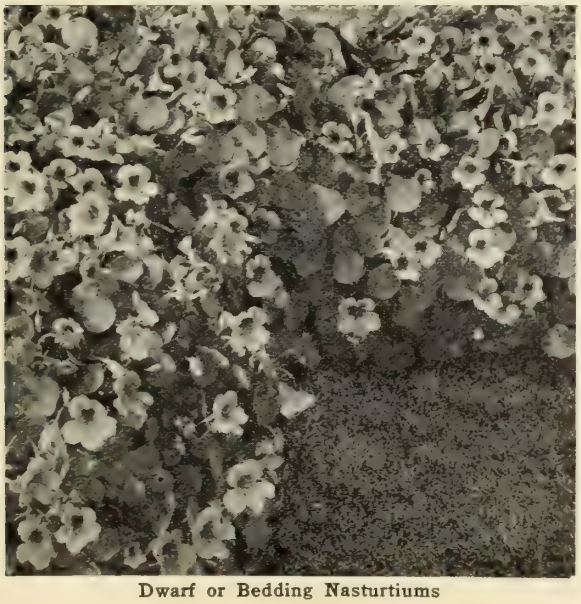
2135 **Golden King.** A rich orange-yellow. Foliage dark. Pkt. 5 cts., oz. 25 cts.

2136 **King of Tom Thumbs.** Glowing, darkest scarlet flowers. Foliage very dark green. A most rich and brilliant variety. Pkt. 5 cts., oz. 25 cts.

2137 **Dwarf King Theodore.** A velvety crimson-maroon, almost black. The leaves are the darkest in Nasturtiums. Pkt. 5 cts., oz. 25 cts.

2133 **Dwarf Chameleon.** Of brilliant shades and diversified markings, some self-colored, others splashed and mottled. Pkt. 5 cts., oz. 25 cts.

2134 **Empress of India.** A very compact-growing sort, having purplish green leaves. The flowers are fiery crimson. Pkt. 5 cts., oz. 25 cts.



Dwarf or Bedding Nasturtiums

Dwarf Lilliput Nasturtiums

This charming and distinct new class has very small flowers and leaves. In growth it is very compact, bushy and dwarf, being more so in both respects than the Dwarf Nasturtiums. In colors they are most varied and rich.

2152 **Mixed.** Pkt. 5 cts., oz. 25 cts.

Queen of Holland (New Lilliput Hybrids). A dainty type of very dwarf growth, making fine compact little bushes only about 6 inches high. The flowers, although smaller than the regular Nasturtiums, are very brilliant and are produced in a wonderful variety of shades and combinations, including cream, rose, scarlet, orange, crimson—all beautifully blotched.

2131 **Mixed Colors.** Pkt. 10 cts.

Glory of the Garden Mixture

This is our best mixture of the dwarf varieties. It is composed exclusively of the most elegant, large-flowered sorts, and the brilliantly colored flowers range through every shade and tint known in this favorite annual. This seed will produce a bed or border gorgeous beyond description.

2130 **Glory of the Garden, Finest Mixed.** Large pkt. 10 cts., oz. 20 cts., ¼lb. 65 cts.

Mixed Dwarf Nasturtiums. We handle such large quantities of Dwarf Nasturtiums that we are able to offer this especially choice mixture at a very low price. You should plant this mixture very liberally.

2150 **Choice Mixed.** Pkt. 5 cts., oz. 20 cts., ¼lb. 50 cts.

Dwarf Queen Nasturtiums

2123 **Mixed.** A gorgeous mixture of all the dwarf or Tom Thumb varieties of the Marble-leaved Queen Nasturtiums. Containing a great number of named varieties as well as numerous other new hybrids not yet sufficiently "fixed" in color to offer separately. Pkt. 5 cts., oz. 25 cts.

Mrs. Chas. C. Towne, Washington County, Vermont, writes: *"The seed I got from you last year were fine. They are certainly 'True Blue.' I had a small garden compared with what I have had years before, but oh!* ***such an abundance of beautiful flowers.*** *It pays to buy* ***good seeds*** *and that is what one gets of the Livingston Seed Company. My pansies and nasturtiums last year were marvels. Surely none could do better—such a host of blossoms—and the asters were simply grand."*

Specimen flowers from our Fancy Mixture

Livingston's Mammoth Pansies

Our Pansy seeds are grown exclusively for us by the best American and European specialists. All our strains are from the most noted seed stocks in the world, and we know they cannot fail to give the most unbounded satisfaction to amateur and professional grower alike. Sow in the house, hotbed, or greenhouse; or as soon as the weather permits, the seed may be sown directly in the garden beds. Pansies thrive best in a rich soil, and cool, moist situation; they do splendidly in partially shaded places. They do not do well under trees, but in some locations where the sun strikes only part of each day the most satisfactory result can be obtained. Seed sown from July to September and the young plants transplanted into coldframes for the winter, will bloom grandly very early the following spring.

Prices by ounce or larger quantities will be quoted upon application. Leaflet on the culture of Pansies free to our customers.

2181 **GIANT RUFFLED MASTERPIECE.** A remarkable type, the border of each petal being conspicuously curled and undulated, which gives the flower a double or globular appearance. The large blooms are beautifully blotched. Pkt. 15 cts.

2179 **Exquisite Orchid-flowered. All Shades Mixed.** Orchid-flowered Pansies are not as large as some of our Giant strains; but they will appeal by their exquisite coloring and the elegant shape of their flowers. Pkt. 10 cts.

2183 **Mammoth Parisian.** The French Pansies are large, and strongly marked and blotched. The strain we offer is one of great excellence, the individual flowers being superb, and include many fine shades. Pkt. 10 cts.

2185 **Giant German.** The German Pansies are noted for their almost endless variations, which include striped, blotched, bordered, veined, and marbled combinations, in every possible color and shade. The plants are of compact growth and flower most profusely and continuously all summer. Pkt. 10 cts.

GIANT TRIMARDEAU, SEPARATE COLORS Pkt.

2194 **Atropurpurea (Rex).** Velvety, royal purple....$0 10
2195 **Emperor William.** Indigo-blue, blotched black. 10
2196 **Golden Queen.** Pure golden yellow; very fine... 10
2197 **King of the Blacks.** Lustrous, jet-black..... 10
2198 **Lord Beaconsfield.** Lavender, heliotrope and purple..... 10
2199 **Peacock (Gloriosa).** Garnet, cream, and blue... 10
2200 **President Carnot.** White, large violet blotches. 10
2201 **Snowflake.** Spotless, snow-white..... 10

2205 **GIANT TRIMARDEAU, Mixed.** These are among the largest flowered of all, a most showy class of robust and very compact growth. Flowers are carried well above the leaves. Mixture of finest colors, pkt. 10 cts., ⅛oz. $1.

2225 **Bedding, Mixed.** We have taken much pains in composing this mixture and it will make a rich display. Pkt. 5 cts., ⅛oz. 40 cts., ¼oz. 75 cts., oz. $2.

2175 **LIVINGSTON'S FANCY PANSY MIXTURE.** In this magnificent mixture of mammoth-flowering Pansies the blossoms are borne on long stems well above the foliage and are distinguished for their gorgeous and varied colorings and beautiful markings. They are of fine substance, velvety texture, perfect form, and giant size, frequently measuring 3 inches in diameter. The colorings are wonderfully rich and varied; every shade and tint of rose, canary-yellow, black, white, cream, lavender, garnet, sky-blue, and orange are produced in endless variation. An unequaled collection of all the finest types. The best, handsomest and most perfect giant-flowering varieties. Pkt. 25 cts., ⅛oz. $1.40.

2177 **Livingston's Giant Mixture.** This splendid mixture is a blended combination of giant-flowering Pansies. It contains all colors and will prove a delightful surprise in regard to their great size. Pkt. 10 cts., ⅛oz. $1.

2191 **English Pansies.** The old-fashioned "English Face" Pansies. Pkt. 10 cts.

OUR "GIANT SIX" PANSY COLLECTION. This collection contains one packet (about 100 seeds) each of the following elegant varieties: **Giant Red, Giant White, Giant Blue, Giant Purple, Giant Yellow,** and **Giant Black, six packages in all, for 25 cts.**

JACK KINNEAR, Alberta, Canada, writes as follows: *"Last year I bought your collection of Giant Comet Asters and I will say that they were the finest Asters that I ever saw growing. I had flowers that measured eight inches across. I entered them in the Edmonton Horticultural show and took every first prize with them. They were admired by thousands of people not only at the flower show but at my own garden which was very beautiful."*

C. W. DEFOREST, Champaign Co., Ills., writes: *"Our order we sent you for seeds came Saturday all O. K. as per order. We hope they may grow as quickly when planted."*

L. C. CAMP, Morris Co., N. J., writes: *"I am a little late in ordering this year but even so, with 'True Blue' seeds, my garden will probably do its usual trick of surpassing all in its neighborhood."*

Petunias

Petunias are one of the most popular annuals on account of their ease of cultivation and freedom of blooming, succeeding everywhere and giving a constant supply of flowers from June to October. They are also good house plants, flowering freely in a sunny window. Seed can be sown in the open ground early in the spring or in a hotbed or coldframe, to be transplanted later to beds or borders. Height, 1 to 1½ feet.

Large-Flowering Petunias

The blooms are enormous in size and of the richest colors and markings. Varieties listed below are unsurpassed.

2240 **LIVINGSTON'S SUPERB SINGLE MIXED.** A strain of incomparable beauty and luxuriance. Flowers most varied in colors and markings, beautifully ruffled, fringed and of enormous size. Pkt. 15 cts.

2244 **RUFFLED GIANTS.** The flowers of this strain are of extraordinary size and great substance; the edges of the blooms ruffled. Contains the greatest variety of rare colors and combinations. Pkt. 25 cts.

2242 **GIANTS OF CALIFORNIA.** These Petunias are of great beauty and luxuriance, including fringed and deep-throated sorts in endless variety of colors, veinings and markings. Flowers of enormous size. Pkt. 15 cts.

2246 **LIVINGSTON'S SUPERB DOUBLE MIXED.** Our best mixture of all the large-flowering double varieties including striped, blotched and fringed sorts. Pkt. 25 cts.

Bedding Petunias

2250 **Howard's Star-Shaped.** Entirely distinct. The five-petaled blooms have star-shaped markings of blush-pink or white over maroon ground; very fine. Pkt. 5 cts.

2256 **Striped and Blotched.** A most beautiful strain of Petunias for bedding and massing. Our mixture contains an endless variety of colors. Pkt. 5 cts., ⅛oz. 30 cts.

2258 **Finest Mixed.** A choice mixture of colors and shades; will make a fine display in your garden. Pkt. 5 cts., ⅛oz. 30 cts.

Single Petunias

Primulas (Primroses)

The ease with which Primroses can be grown from seed makes them very popular window plants. For a succession of blooming plants sow the seed from March to May, and again in July or August; in planting, cover the seed lightly, and keep moist. Transplant when the second leaf appears, and keep repotting the plants as they grow and increase in size. Height, ½ to 1 foot.

2348 **Chinese, Superb Double Mixed.** Splendid strain of the finest large-flowering, fringed varieties. Our mixture includes all the most brilliant colors. Pkt. 25 cts.

2350 **Choice Mixed.** This is a very choice mixture, and for general purposes will be found most satisfactory. Pkt. 15c.

2352 **Obconica grandiflora, Large-flowering Hybrids.** Lovely and profuse blooming Primrose, bearing on long stems large heads of beautiful flowers, white, tinged lilac and rose shades; everblooming variety with true Primrose fragrance. Pkt. 10 cts.

2354 **Japonica** (Japanese Primrose). Bright, showy flowers, borne in whorls on stems 6 to 9 inches long. Choicest colors. Pkt. 10 cts.

Annual Phlox

Annual Phlox

For a splendid mass of color and a constant display, *Phlox Drummondii* is not excelled by any other annual. It has every desirable quality for this purpose and for beds, edgings and massings nothing can surpass it. Seed may be sown in the open ground any time after danger from frost is past.

2269 **Bright Rose.** Most pleasing color; a profuse bloomer. Pkt. 5 cts., ¼oz. 40 cts.

2270 **Brilliant Scarlet.** Very showy. Pkt. 5 cts., ¼oz. 40 cts.

2271 **Crimson.** Brilliant and effective. Pkt. 5 cts., ¼oz. 40 cts.

2273 **Pure White.** Pkt. 5 cts., ¼oz. 40 cts.

2274 **Yellow.** Distinct. Pkt. 5 cts., ¼oz. 40 cts.

2267 **PRIZE MIXTURE.** Large. Pkt. 10c., ¼oz. 45c., ½oz. 80c.

2265 **Drummondii Mixed.** The old-fashioned favorite variety. Pkt. 5 cts., ¼oz. 35 cts., ½oz. 65 cts.

2278 **Mixed Star-Shaped.** Long, pointed petals, which give the flowers a star-like appearance. Pkt. 5 cts., ⅛oz. 30 cts.

Double Annual Poppies

Poppies

The recent development of these old-fashioned flowers has brought them into great and deserved popularity. No flower in our garden affords a more pleasing display of gorgeously brilliant colorings during the blooming season. Poppies of the various varieties grow about 2 feet in height, except as noted.

Double Annual Poppies

2300 **Peony-flowered.** Large, showy double globular flowers, almost equal to Peonies. Our mixture contains the finest colors. Pkt. 5 cts., ½oz. 15 cts., oz. 25 cts.

2308 **Carnation-flowered.** Splendid, large, double flowers, showy and beautifully fringed. Mixture is unequaled for dazzling richness and great variety of colors. Pkt. 5 cts., ½oz. 15 cts., oz. 25 cts.

2310 **Mikado** (Striped Japanese Poppy). Very distinct and beautiful; the large blooms are brilliant scarlet and white, with elegantly curved and fringed petals. Pkt. 5 cts., ¼oz. 10 cts.

2311 **LIVINGSTON'S GIANT DOUBLE MIXED.** A mixture of beautiful double Poppies, including only the improved double, giant-flowering kinds of the richest and brightest colors, as well as the daintiest and softest tints. When grown in masses it is brilliant beyond description. The plants are sturdy, thrifty growers, from 2 to 3 feet high, producing immense flowers, sometimes 4 inches in diameter. Sow the seeds in the early spring in sandy soil where they are to remain. Pkt. 5 cts., oz. 35 cts.

See our Collection offers on second and third cover pages

Single Annual Poppies

2316 **LIVINGSTON'S GIANT SHIRLEY.** These are considered by many the most charming Poppies in cultivation. The individual flowers are large and elegant, mostly single blooms, some semi-double and double ones, often measuring 3 to 4 inches across. The petals are fluted and crinkled and in the sun appear like crumpled satin. The exquisite colors range from purest white to the deepest of blood-red, through all the shades and combinations of pink, rose, crimson, and carmine. Pkt. 5 cts., ¼oz. 20 cts., oz. 50 cts.

2323 **Tulip Poppies.** Large and splendid single flowers of the most dazzling scarlet. The two outer petals resemble a saucer, in which are set two erect petals of the same color. Pkt. 5 cts., ¼oz. 20 cts.

2325 **New Admiral.** Of surprising beauty. Large, round, smooth-edged flowers of glistening pure white, with a broad band of brilliant scarlet around the top. Pkt. 10 cts.

Perennial Poppies

There are no flowers more ornamental and useful in our gardens than the various varieties of hardy Poppies. Once started they increase in size and beauty each succeeding season.

2333 **Large Oriental.** Perhaps the most popular variety in cultivation, the sturdy plants growing about 3 feet high. Its color, a dazzling scarlet with coal-black blotches, is grand. For gorgeous effect, nothing can equal them in perfectly hardy plants. Pkt. 10 cts., ⅛oz. 25 cts., ¼oz. 40 cts.

2335 **ORIENTAL HYBRIDS.** Splendid hybrids of the Oriental Poppy. Enormous flowers, sometimes more than 6 inches in diameter. Colors include shades of cherry, salmon, darkest red, vivid crimson, and innumerable others equally fine. Our mixture contains them all. Pkt. 10 cts., ⅛oz. 45 cts., ¼oz. 60 cts.

2330 **Iceland** (*Papaver nudicaule*). These Poppies are perfectly hardy and in bloom from June until frost; beautiful satin-like flowers, of every shade of yellow, white, and orange-scarlet. Plants grow about 1 foot high, forming tufts, from which the flower stems issue most profusely. Very useful for cut-flowers. Easy to grow. Pkt. 10 cts., ⅛oz. 20 cts.

2332 **Double Mixed Iceland.** This splendid mixture of double-flowering varieties you will find very superior. Pkt. 10 cts.

2297 **PLATYCODON, Mixed (Chinese Bellflower).** A splendid hardy perennial, producing large bell-shaped, white and blue flowers; very showy. Pkt. 5 cts., ⅛oz. 25 cts.

PORTULACA (Sun Plant). Should be sown in every garden. Scarcely any annual in cultivation makes such dazzling display of beauty as a bed of highly colored, many-hued Portulacas. Plant in dry, sandy soil, soon as it becomes warm, with full exposure to the sun.

2340 **Large-flowering Single Mixed.** A most elegant mixture; flowers large and of every shade of color. Pkt. 5 cts., oz. 40 cts.

GIANT SHIRLEY POPPIES

Pyrethrum (Feverfew)

Most attractive hardy perennials, which have become very popular. Valuable border plants with many stems about 2 feet high, each surmounted with handsome flowers, in the brightest shades of rose, flesh-pink, crimson, etc.; in bloom a long time, and are splendid as cut-flowers. See Feverfew.

2362 **Single Hybrids.** This mixture contains the very largest flowering and choicest varieties. Pkt. 15 cts.

2364 **Golden Feather** (*P. aureum*). Dwarf-growing variety, with bright yellow foliage; largely used for edgings and ribbon work. Usually treated as an annual. ¾ft. Pkt. 5 cts., ¼oz. 20 cts.

Ricinus (Castor-Oil Bean)

2370 **Zanzibarensis.** A new and distinct class, surpassing in size and beauty all varieties hitherto known. Plants attain great dimensions —12 to 14 feet. Pkt. 5 cts., oz. 20 cts., ¼lb. 60 cts.

2371 **Bourboniensis.** Very large and most showy green foliage; a standard variety. Height, 10 to 15 feet. Pkt. 5 cts., oz. 20 cts.

2372 **Cambogensis.** Main stem and leaf-stalks shining ebony-black; leaves large and brilliantly colored. Foliage assumes various shades. Height, 5 feet. Pkt. 5 cts., oz. 20 cts.

2373 **Gibsonii.** Compact-growing variety of branching habit. The large leaves are a deep red. Height, 5 feet. Pkt 5 cts., oz. 20 cts.

2377 **Livingston's Ricinus Mixture.** Appreciating fully the splendid effects that a fine array of these desirable foliage plants will make in your garden, we have composed a mixture that for elegant blending is unsurpassed. Pkt. 5 cts., oz. 15 cts., ¼lb. 50 cts.

Roses

BLOOM THE FIRST YEAR FROM SEED

2380 **Baby Roses.** Also called **Dwarf Midget**, or **Fairy Roses.** These beautiful little Roses are borne in many-flowered clusters of double, semi-double, and single flowers and are of all the tints of other Roses. Seed should be soaked in warm water a day or two before planting; perfectly hardy, blooming year after year. Pkt. (50 seeds), 10 cts.

Salpiglossis, or Painted Tongue

Salvia splendens grandiflora (Scarlet Sage)

Salvia (Flowering Sage)

Very ornamental plant for summer and autumn flowering, and continues to bloom in the open ground until hard frosts, forming compact bushes which are literally ablaze with brilliant flowers. The plants may be started in a box in the house or in the hotbed, and when the weather becomes warm transplant in the garden. Height, 1½ to 3 feet. (See illustration.) May be used as a hedge with striking effect.

2384 **SPLENDENS GRANDIFLORA** (**Scarlet Sage**). Gorgeous plants; numerous spikes of intensely vivid scarlet flowers 10 to 12 inches in length. Continues to flower profusely all summer and fall; of easy growth. The most popular Salvia in cultivation. Pkt. 10 cts., ⅛oz. 50 cts.

2385 **Ostrich Plume.** This new variety is the most beautiful of Salvias of recent introduction. Its habit of growth resembles that of the Splendens type, but it produces a plume quite similar in form to Ostrich Plume Celosia. One plume alone is a bouquet itself. Quite a large percentage of the flowers are double and this is the only Salvia up to the present time that is somewhat different from all other Salvias, being of a rich, glossy dark scarlet. Pkt. 15 cts., ⅛oz. 75 cts.

2386 **BONFIRE.** Plants form healthy bushes about 2 feet high by 2 feet across. Spikes grow erect and stand clear above the foliage, completely covering the plant, and are of a most brilliant, dazzling scarlet. One of the finest sorts. Pkt. 10 cts., ⅛oz. 75 cts.

2388 **AMERICA,** (**Globe of Fire**). A free and continuous bloomer. The uniformity in habit of growth makes it valuable for bedding or planting in line. Height 1½ feet. Pkt. 15 cts., ⅛oz. 75 cts.

2398 **Zurich.** Compact-growing sort, forming handsome, symmetrical bushes, 15 to 18 inches tall, which are completely covered with scarlet flower-spikes. A little beauty. Pkt. 10 cts.

Salpiglossis (Painted Tongue)

2400 **Mixed.** The Salpiglossis is one of the most popular and favorite annuals. It is of the easiest culture. Especially is it noted for its beautiful, almost orchid-like blooms. (See illustration.) Our mixture is unsurpassed, containing every desirable color and shade of the large-flowering varieties. Height, 1½ feet. Pkt. 5 cts.

2430 **SENSITIVE PLANT.** A pretty and curious annual plant. The leaves and footstalks close and droop at the slightest touch, or during cloudy, damp weather. Height, 1½ feet. Pkt. 5 cts.

2435 **SMILAX.** Charming, tender perennial climber for house or greenhouse. Pkt. 5 cts.

Scabiosa

(Sweet Scabiosa, Mourning Bride, Pin-Cushion Flower, Egyptian Rose, Etc.)

The seed can be sown any time in the spring after danger from frost is past. The plants grow about 2½ feet high and come into bloom early in June, continuing without interruption until the hard frosts of autumn. The exquisite double flowers (see illustration) are borne on very long stems, and when cut keep in perfect condition for the best part of a week.

2404 **LIVINGSTON'S IMPROVED LARGE-FLOWERING. Finest Mixed.** A very fine mixture, containing all the finest large-flowering double sorts. All colors. Pkt. 5 cts.

2406 **Azure Fairy.** Exquisite sky-blue. Pkt. 10 cts.

2408 **Fiery Red.** Very striking; double; fiery scarlet. Pkt. 5 cts.

2412 **Snowball.** Double; white flowers; fine for bouquets. Pkt. 5 cts.

2414 **Golden Yellow.** Very fine color. Pkt. 5 cts.

2418 **Flesh.** Pkt. 5 cts.

2420 **Lilac.** Pkt. 5 cts.

2421 **Cherry-Red and White.** Pkt. 5 cts.

2422 **White and Lilac.** Pkt. 5 cts.

Collection of Scabiosas described above, separate colors, 30 cts.

2426 **HARDY SCABIOSA CAUCASICA.** Grand hardy perennial, 3 feet high; large lilac-blue flowers; splendid for cut-flowers. Pkt. 10 cts.

Livingston's Improved Large-flowering Scabiosa

Schizanthus, or Butterfly Flower

2427 **Mixed.** Popularly called the "Poor Man's Orchid." It grows from 1 to 1½ feet tall, with fine fern-like foliage, begins to flower early and produces masses of oddly marked and queerly shaped blooms in various shades of blue, purple, and pink, and some pure white. Pkt. 5 cts.

Sunflower (Helianthus)

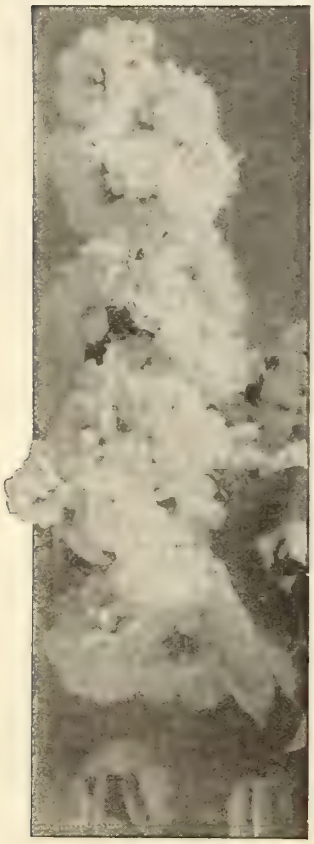
A well-known family of hardy annuals, very showy plants, with large flowers.

2454 **New Miniature. Beautiful new hybrids.** Small single flowers in great abundance; colors, creamy white, lemon and orange; indispensable for cutting. Pkt. 5 cts., ¼oz. 20 cts.

2456 **Globe of Gold.** Globe-shaped, double, yellow flowers. Pkt. 5 cts.

2460 **Livingston's Mixture.** A great variety of single and double varieties. Every shade of yellow is included. Pkt. 5 cts., ½oz. 15 cts., oz. 25 cts.

2429 **SCARLET RUNNER-BEAN.** Ornamental climber. Bright scarlet sprays of bloom, followed by edible beans. Excellent climber for porches and trellises. Pkt. 5 cts., ¼lb. 25 cts.



Stocks (Mathiola)

2436 **STOKESIA cyanea (Cornflower Aster).** A valuable hardy perennial bedding plant. Plants large, 18 to 20 inches high, with Bachelor's Button-like, light lavender-blue flowers, several inches in diameter, from July until late in October. Very easily grown in almost any situation. Pkt. 10 cts.

SHASTA DAISY. A hardy perennial plant; blooms more abundantly each season; multiplied by division of roots or sowing seed. They bloom for several months in great abundance. The flowers are large and graceful, with three or more rows of pure white petals. This is the variety so generally sold by florists, and no flower garden is complete without it.

2433 **Selected Seed.** Much superior to original strain. Pkt. 10 cts.

Stocks (Gilliflower)

Indispensable for bedding, borders, massing, or pot culture.

Large-flowering Double "Cut-and-Come-Again" Varieties.

2446 **Snow-White.** (See illustration.) Pkt. 10 cts.

2440 **Finest Mixed.** This is our very best mixture of large-flowering Stocks. The perfectly double flowers embrace every color and shade. Pkt. 10 cts.

2448 **Giant Perfection, Mixed.** Long spikes of double flowers. Pkt. 10 cts.

Mrs. J. H. Astle, Rich County, Utah, writes: "*Your Tall or Climbing Nasturtiums cannot be spoken of too highly, for they provided a gorgeous mass of bloom all summer long, with little or no care. I am sending another order for flower seeds, for I believe your seeds are 'True Blue.'*"

Mrs. Frank Gregory, Ashtabula County, Ohio, writes: "*My ruffled Petunias I got of you last year were the finest I ever saw.*"

Laurence Doolittle, Martin Co., Minn., writes as follows: "*I used some of your seed last year and found it was satisfactory in every respect.*"

Shasta Daisy

Spencer Sweet Peas

How to Grow Fine Sweet Peas.—The general opinion is that Sweet Peas, being common and hardy, can be planted anywhere, which accounts for a lot of failures. There is no reason why everyone should not have fine flowers if they will observe a few simple rules. First of all, **plant early,** just as soon as the ground can be dug and is not sticky. **Dig deeply.** If you are growing Sweet Peas every year, try to prepare your ground in the fall, and dig 1½ feet deep, mixing manure thoroughly in the subsoil. The surface soil in which the seed is sown should not contain manure. If you start in the fall you will find you can sow earlier in the spring. If you cannot secure manure, use bone-meal or commercial fertilizers containing phosphate and potash. Cover the ground ⅛ inch with these and then dig in and mix thoroughly with the soil. Sow the seed 3 inches deep if in sandy soil, or 2 if in clay. Sow thinly unless you have the courage to pull them out after they come up. You cannot have fine flowers through the season when plants are very thick. Two to 3 inches apart, or better, 4 inches, if you want big flowers. Cultivate as soon as they are up and keep cultivating. Stake them as soon as the rows show plainly. For the first month they scarcely make any growth above ground, but do not need water unless the season is very dry. Later on, when they are showing vigorous growth, a thorough watering twice a week will help wonderfully, if there is not sufficient rain. Don't plant them alongside a house, under trees or close to a board fence and expect much from them. They need an open space.

2626 **KING WHITE.** Undoubtedly the best white now in cultivation. It is remarkable for the **"glistening immaculate purity of the whiteness"** and the perfect finish of the flower. While of truly gigantic proportions, the flowers are most exquisitely finished in every detail. The grand flowers are borne almost invariably in "fours" upon stout stems of great length. Pkt. 15 cts., oz. 35 cts.

2627 **ILLUMINATOR.** It might be described as a rich, glowing cerise-salmon, with an indication of bright orange suffusion. The flowers are most perfectly formed and well placed on long stems, frequently in "fours." Pkt. 15 cts., oz. 30 cts.

2625 **Margaret Atlee.** A rosy salmon-pink on a creamy buff ground—a rich soft color, and extremely attractive both as individual flowers and in the bunch. The standard is large and wavy and inclined to double. Pkt. 15 cts., oz. 30 cts.

2614 **Royal Purple.** The best purple Spencer Sweet Pea. As the name suggests, the color is near "royal" purple. The color deepens and improves as the flowers age, which is a good point in a purple variety. A strong grower, and very floriferous. Pkt. 10 cts., oz. 30 cts.

2619 **FIERY CROSS.** A variety of recent introduction which is one of the most promising of the Spencer type. The standards are fiery red with wings of cherry-red. Very large. Does not burn even in the hottest weather. Pkt. 15 cts., oz. 30 cts.

2628 **WEDGWOOD.** A unique shade of lovely light blue. The flowers, of good size and substance, are well waved in both standard and wings. They are borne almost uniformly in four-flowered sprays upon long, stout stems. Pkt. 15 cts., oz. 30 cts.

2570 **Countess Spencer.** Of perfect form, remarkable size, and exquisite color. The flowers are often 1½ to 2 inches in diameter, with both standard and wings charmingly waved and fluted. The coloring is an exquisite soft rose-pink, daintily tinted with silvery white. Pkt. 10 cts., oz. 30 cts.

2580 **Helen Lewis Spencer.** This superb variety is a grand gigantic orchid-flowering seedling of Countess Spencer. The orange-rose wings roll and fold; the standard is reflexed and is of an intense **rich crimson-orange.** Pkt. 10 cts., oz. 30 cts.

2587 **ELFRIDA PEARSON.** Flowers a dainty blush-pink, showing a slight salmon tint in the bud and opening flower. The immense flowers are invariably borne four on a stem. Pkt. 10 cts., oz. 30 cts.

2588 **MIRIAM BEAVER.** This new soft shell-pink and salmon is one of the best yet introduced. The flowers are most perfectly formed and well placed no long, stout stems. Pkt. 10 cts., oz. 30 cts.

2590 **White Spencer.** Without doubt the largest and most magnificent white Sweet Pea ever introduced. The vines are almost completely covered with mammoth flowers. It is without a rival among white Sweet Peas. Pkt. 10 cts., oz. 30 cts.

2584 **Asta Ohn Spencer.** Finest lavender Spencer Sweet Pea grown. Comes remarkably true to type, producing the elegant, bold, wavy flowers in greatest profusion. Pkt. 10 cts., oz. 30 cts.

2623 **Othello Spencer.** Deep velvety maroon, by far the finest of the dark-colored Spencers. Of very large size and beautiful form. Pkt. 10 cts., oz. 30 cts.

2583 **King Edward Spencer.** Undoubtedly the largest and best scarlet Sweet Pea to date. Wings carmine-scarlet, reverse side rosy carmine. Pkt. 10 cts., oz. 30 cts.

White Spencer Sweet Peas

Spencer Sweet Peas, continued

Extra-Early Flowering Sweet Peas, Mixed

Extra-Early Flowering Spencer

It has been the opinion of some that this class of Spencers does well only under greenhouse culture, but this is a mistaken idea. The Extra-Early Flowering type does equally well outside, the only difference being that the blossoms are just a very little smaller. By planting the Standard Spencer and Extra-Early Flowering in our trial-grounds at the same time, we found that the latter was in full bloom fully two weeks ahead of the standard Spencers. If you will plant some of each of these, you will have bloom for a very long time. In selecting to this early type, we have not lost any of the Spencer characteristics. Three, and quite often four, large blooms are borne to the stem, the same as with the Standard or Late Spencer. These Extra-Early Sweet Peas are a real addition to the garden of those who want flowers early. We feel sure you will be delighted with our Mixture.

2549 **EXTRA-EARLY FLOWERING MIXED.** Pkt. 15 cts.

Livingston's Special Mixture

This superb mixture is our special pride. During the several years we have sold it, it has been our constant aim to improve and perfect it. The different kinds and sorts contained in this mixture are grown separately, so that we have an opportunity to choose only the largest and most beautiful varieties. These we mix ourselves in proper proportions for the most brilliant effect. It embraces the finest American and Eckford varieties, as well as the latest novelties, and will produce a great abundance of giant flowers of beautiful colors. Some are edged, mottled, blended, flaked, and striped. Without exception, this is the very finest mixture it is possible to make. We recommend the buying of these seeds by weight, and planting liberally.

2540 **Special Mixture.** Large pkt. 10 cts., oz. 30 cts., ¼lb. $1.

Livingston's Gilt-Edge Mixture

This is a very superior mixture, made up of over 50 of the finest named varieties, all bright colors.

2542 **Gilt-Edge Mixture.** Pkt. 5 cts., oz. 15 cts., ¼lb. 45 cts.

2591 **Blanche Ferry Spencer.** The popular old "painted lady" pink and white Sweet Pea in magnificent new form. Pkt. 10 cts., oz. 30 cts.

2613 **Mrs. Routzahn Spencer.** May be described as buff or apricot, suffused with delicate pink which deepens to a rose near edges of wings and standard. Usually four to a stem. Pkt. 10 cts., oz. 30 cts.

2621 **Senator Spencer.** The combination of color in the flowers is charming—a deep claret or chocolate, striped and flaked on a ground of light heliotrope. Both standard and wings are extra large, wavy, and drooping. Flowers are usually borne four to the stem. Pkt. 10 cts., oz. 30 cts.

2615 **Dainty Spencer.** White, with exquisite rose-pink edges. Of uniformly large size and elegant shape. Pkt. 10 cts., oz. 30 cts.

2622 **Aurora Spencer.** Very large and of true Spencer type. The ground color is creamy white, which is finely flaked and mottled with orange-salmon. Pkt. 10 cts., oz. 30 cts.

2610 **Primrose Spencer.** Both standard and wings are of beautiful soft primrose or creamy yellow color. Flowers are very substantial and in a class of their own in both color and size. Pkt. 10 cts., oz. 30 cts.

2585 **CONSTANCE HINTON.** Probably the largest white Spencer yet introduced. The flowers have a slight tint of pink when young and are borne almost uniformly in four-flowered sprays on long, stout stems. Pkt. 10 cts., oz. 30 cts.

2586 **DOBBIE'S CREAM.** Flowers a deep cream or primrose, distinctly waved or crimped. One of the best of the primrose class. Pkt. 15c., oz. 35c.

2630 **Spencer Mixed.** All of the best named sorts, also many rare new hybrids in lavender, blue, striped, mottled, purple, maroon, and many other shades are included in this superb mixture. All flowers are of extremely large size, typically frilled and waved, and very lovely. Pkt. 10c., oz. 30c.

Sweet Pea "Nitroculture" adds to the size of the bloom and to the length of stem. In ordering be sure to mention Sweet Pea Nitroculture as there are other kinds. For full particulars, see page 49.

This Great Collection of Superb Spencer Sweet Peas—Seven Liberal Packets for 25 Cents, Postpaid

2584 **Asta Ohn Spencer.** Finest lavender.
2614 **Royal Purple.** The best purple Spencer.
2623 **Othello Spencer.** Deep velvety maroon.
2590 **White Spencer.** Largest white.
2583 **King Edward Spencer.** Largest and best scarlet.
2570 **Countess Spencer.** Soft rose-pink.
2580 **Helen Lewis Spencer.** Rich crimson-orange.

The above collection is fully described on page 81

Sweet William (*Dianthus barbatus*)

A very beautiful class of easily grown and very beautiful plants of extreme richness and diversity of colors, deliciously sweet-scented. For cut-flowers they are not surpassed. Hardy biennial. Height, 1 to 1½ feet.

2640 **Holborn Glory.** This strain is a large-flowered selection of the Auricula-eyed section, but most beautiful and admired of all Sweet Williams. The individual flowers and trusses are of extraordinary size, and the range of color, all showing a clear, white eye, is superb. Pkt. 10 cts.

2643 **Double Mixed.** This mixture you will find of very superior quality, containing all colors and shades. Pkt. 5 cts., ⅛oz. 25 cts.

2646 **Single Mixed.** A very choice assortment of all the best single-flowering varieties. Pkt. 5 cts., ⅛oz. 15 cts.

2648 **DOUBLE and SINGLE MIXED.** This mixture is made by blending the double and single-flowering varieties. Pkt. 5 cts., ⅛oz. 15 cts., oz. 60 cts.

Double and Single Mixed Sweet Williams

Livingston's Mammoth Verbenas

If it were possible, it would seem to us that Verbenas are becoming more popular every year. The plants thrive in any good garden soil, and if grown from seed are much more vigorous than if started from cuttings. Verbenas will flower perfectly from seeds. Height, 1 to 1½ feet.

2662 **Mammoth Defiance.** Bright, rich scarlet flowers; small leaves. Pkt. 10 cts.

2663 **Mammoth Blue Varieties.** Showy; distinctive; fine for edgings. Pkt. 10 cts.

2665 **Mammoth Pink Shades.** Many very brilliant shades of pink. Pkt. 10 cts.

2664 **Mammoth Striped Varieties.** Beautiful; a rich collection. Pkt. 10 cts.

2666 **Mammoth Pure White.** Large trusses of purest white flowers. Pkt. 10 cts.

2668 **Mammoth Purple.** Deep royal purple. Pkt. 10 cts.

Collection, one each of above 6 Mammoth Verbenas, 50 cts.

2670 **LIVINGSTON'S MAMMOTH MIXED VERBENAS.** Our strain of these elegant mammoth-flowering Verbenas will make beds and borders in the garden of the greatest brilliancy. An elegant mixture, and for enormous flowers of rich and superb colors is unsurpassed. (See illustration.) They bloom most profusely. Our mixture contains every desirable color and shade. Pkt. 10 cts., ⅛oz. 30 cts., ¼oz. 50 cts., oz. $1.50.

Chinese Woolflower

2696 **CHINESE WOOLFLOWER.** Belongs to the Celosia family. The plants average about 18 inches to 2 feet in height and shoot many laterals, each of which forms an oval-shaped flower-head. The flower is of a beautiful shade of crimson and resembles, somewhat, a ball of wool. It is a very free bloomer, continuing in flower until killed by heavy frost. Pkt. 15 cts.

2654 **THUNBERGIA, Mixed.** Rapid-growing Annual Climber, with pretty buff, white and orange flowers of various shades, with a dark center or eye. Adapted for vases, hanging baskets, trellises, etc. Pkt. 5 cts.

2658 **VALERIANA (Hardy Garden Heliotrope). Mixed.** Showy plants; grow in any garden soil; do well in the shade. Hardy perennial; grows 2 feet high. Pkt 5 cts.

Livingston's Mammoth Verbenas

2680 **VINCA (Periwinkle). Mixed.** Free-flowering, bushy plants, with glossy foliage and beautiful circular flowers. In sunny situations they bloom all summer; if potted before frost, will bloom in winter. Very easily grown, blooming profusely the first season from seed. A very fine mixture of all colors. Half-hardy perennials. Height 1½ feet. Pkt. 5c.

VIOLA (Tufted Pansies). Sweet-scented Violets are easily grown from seed, and if you can plant them in a cool and moist situation, so much the better. All varieties are of great beauty.

2682 **Sweet-scented.** Violet-blue. Pkt. 10 cts.

2686 **Finest Mixed.** Blue and white sorts. Pkt. 10 cts.

2697 **XERANTHEMUM (Everlasting Flowers). Mixed.** Very desirable. Easy to grow. Leaves covered with silvery down. Hardy annual. Height 2 feet. A very fine mixture of colors. Pkt. 5 cts.

WALLFLOWER. Well-known and deliciously fragrant half-hardy biennials. The large spikes of bloom are of most beautiful colors. Height 1½ feet.

2690 **Large-flowering Single Mixed.** Pkt. 5 cts.

2692 **Large-flowering Double Mixed.** Pkt. 10 cts.

Zinnias

One of our most stately and showy border plants. A strong grower and therefore succeeds well, even if the ground is not very rich. Excellent for cut-flowers and continuously in bloom. Height, 1 to 3 feet.

Livingston's Mammoth-Flowering Prize

The splendid large-flowering Zinnias (see illustration) represent the very highest perfection in this flower, and for perfect doubleness, mammoth size, as well as the wonderful variety of colors and shades, are unsurpassed by any strain in cultivation. We offer the following splendid separate colors and our elegant mixture.

	Pkt.	¼oz.	Oz.
2700 **Mammoth Crimson**	$0 05	$0 20	$0 60
2701 **Mammoth Dark Purple**	05	20	60
2702 **Mammoth Flesh-Pink**	05	20	60
2704 **Mammoth Pure White**	05	20	60
2706 **Mammoth Golden Yellow**	05	20	60
2707 **Mammoth Scarlet**	05	20	60

ZINNIA COLLECTION.—One packet each of the above 6 colors for 25 cts.

2710 **LIVINGSTON'S MAMMOTH-FLOWERING PRIZE MIXTURE.** Our mixture of Mammoth-flowering Zinnias contains all the colors and shades known in this popular flower. We have improved this grand mixture from year to year until now we say, conclusively, it can not be surpassed. Pkt. 5 cts., ¼oz. 20 cts., oz. 50 cts.

New Yellow Zinnia, Buttercup

Mammoth Zinnia

2708 **Double Dahlia-Flowered Zinnias (New)**

This splendid new Zinnia will greatly increase the popularity of this flower. The plants are of strong, vigorous habit, from 2½ to 3 feet high, producing mammoth flowers 4 to 6 inches across by 2½ to 3 inches deep, very similar in appearance and form to the double Decorative Dahlia. Our mixture has a wonderful range of color, including white and all the different shades of pink, scarlet, crimson, yellow, orange, etc. You should by all means have a bed or border of these new Zinnias this next season—you will be delighted with them. Pkt. 15 cts., ¼oz. 50 cts.

2709 **Buttercup Zinnias (New)**

This new and pleasing color is a valuable addition to the Mammoth- or Giant-flowering Zinnias. Buttercup is identical with the other mammoth Zinnias, holding its color (a pleasing deep primrose) through the hottest weather and is produced on long, stiff stems which make it valuable for cutting. Pkt. 10c.

2723 **Curled or Crested Zinnias**

A fine strain, with large, double flowers of perfect form; petals twisted, curled and crested into fantastic and graceful forms. Pkt. 5 cts., ¼oz. 25 cts.

Double Pompon Zinnias

2727 **All Colors Mixed.** These Zinnias grow 2 feet high and are sturdy and bushy. They are also sometimes called "Lilliput" on account of their beautiful little flowers, which are very double and cone-shaped. Pkt. 5 cts.

Mrs. Henry V. Powers, Delaware County, Ohio, writes: *"Last year I bought my seeds from local seedsmen, and found the results far from satisfactory. When you only have a limited amount of ground, you want the best of everything, and that I have never failed to have from Livingston's seeds in the last thirty-five years I have been planting them."*

Mrs. Wm. Krueger, Knox County, Mo., writes: *"I have always been more than pleased with seeds bought from you. The results in health, pleasure and profit I get from the cultivation of your famous tomatoes and nasturtiums alone repays me many times over for all labor put in my whole garden."*

Reliable Spraying Solutions

All prices on this page are subject to change. Items marked (*) cannot be mailed

***ARSENATE OF LEAD (Powdered).** Mixes with water almost instantly—one pound goes as far as two to three of paste—remains in suspension much longer. ½lb. 25 cts., lb. 45 cts., 5 lbs. $2, 10 lbs. $3.50, 25 lbs. $8, 50 lbs. $14, 100 lbs. $25, not prepaid.

***CALCIUM ARSENATE (Powdered).** Safer and better to use than Paris Green. Has higher poison contents than Arsenate of Lead. Used for spraying potatoes, cotton, tobacco, and shade trees against chewing and leaf-eating insects. Kills quickly; does not burn foliage; and sticks to leaves. Mixes easily with water and can be used either wet or dry. Can be combined with Lime-Sulphur or Bordeaux Mixture. One pound makes about 40 to 50 gallons. Contains 38 to 40 per cent arsenic oxide and less than 1 per cent soluble in water. ½lb. 25 cts., lb. 45 cts., 5 lbs. $2, 10 lbs. $3.50, 25 lbs. $7.50, not prepaid.

GYPSUM, or LAND PLASTER. An ideal fertilizer for leguminous and other crops of high sulphur requirements; also a preserver of nitrogen in manure. Twenty parts of Gypsum mixed with one part Calcium Arsenate gives excellent results in protecting melon and cucumber plants from the striped beetle. 10 lbs. 75 cts., 25 lbs. $1.50, 50 lbs. $2.50, 100 lbs. $3, 500 lbs. $12.50, 1,000 lbs. $22.50, ton $42, not prepaid.

***BORDEAUX MIXTURE (Powdered).** For blight, mildew, rust, etc. It has all the advantages of paste with double the strength. Goes twice as far. Used for dry dusting or wet spraying. Dilute 1 pound to about 8½ gallons of water for 3-3-50 formula. Contains 12 per cent metallic copper. ½lb. 20 cts., lb. 35 cts., 5 lbs. $1.50, 10 lbs. $2.75, not prepaid.

HAMMOND'S SLUG SHOT. Non-poisonous; no danger to the person using it. It is the best insect destroyer ever offered for potato bugs, cabbage worms, and all insects that chew. We sell tons of it every year. It is simply dusted lightly on. Lb. 15 cts., 5 lbs. 60 cts., 10 lbs. $1, 25 lbs. $2.10, not prepaid.

***PARIS GREEN.** ¼lb. 20 cts., ½lb. 35 cts., lb. 65 cts., 2 lbs. $1.25, not prepaid.

***PYROX (Bowker's).** The one best spray for apples, potatoes, and general purposes against leaf-eating insects and fungous diseases. This combined insecticide and fungicide is better than Paris Green, Arsenate of Lead, or Bordeaux Mixture, and cheaper to use. It sticks to foliage like paint in spite of heavy rains. Mix with cold water and it is ready to use. Lb. 45 cts., 5 lbs. $1.65, 10 lbs. $3, 25 lbs. $6, 50 lbs. $11, 100 lbs. $18.50, 300 lbs. $51, not prepaid.

FISH, or WHALE-OIL SOAP. Especially beneficial when used in combination with Black-Leaf 40 in combating hard-to-conquer sucking insects. ¼lb. 15 cts., lb. 25 cts., 5 lbs. $1.10, 10 lbs. $2, not prepaid.

***HELLEBORE.** For the destruction of slugs, worms, caterpillars, etc. Loses its strength when exposed to the air a few days, making it safe to use when the vegetables or fruit are about ripe. ½lb. 35 cts., lb. 65 cts., not prepaid.

***NICO-FUME LIQUID (40 per cent free nicotine).** The best spray for greenhouses. The fumes help to kill the insects. ¼-lb. tin 75 cts., lb. $2.25, 4 lbs. $8, 8 lbs. $15.

***WEED KILLER (Target Brand).** Keeps paths and roads free from weeds and grass. One gallon makes 50 gallons ready for use—enough for 150 yards of surface; applied with watering-can. By express or freight. Qt. 65 cts., gal. $1.65, not prepaid. Larger lots, special prices.

LIME AND SULPHUR (Powdered). Mixes with water—becomes a liquid testing the same as standard liquid solutions. It is claimed that the brand we carry is the only powdered form that is exactly the same as standard liquid solutions and can with safety to the tree be used in combination with an arsenate as a summer spray without the disadvantage of bulk, weight, leakage, etc. Lb. 35 cts., 5 lbs. $1.40, 10 lbs. $2.25, 25 lbs. $4.50, 50 lbs. $7.75, 100 lbs. $15, not prepaid.

***BLACK-LEAF 40 (40 per cent nicotine sulphate).** Highly recommended by experiment stations as a spray for black aphis and sucking insects of this class. You cannot go wrong in ordering Black-Leaf 40 for sucking insects. One ounce makes 6 gallons of spray on outdoor vegetation. As a dip to destroy scab, ticks, lice, and insect pests on sheep, cattle, and hogs, dilute 1 pound in 83 gallons of water. Oz. 35 cts., ½lb. $1.25, 2 lbs. $3.50, 10 lbs. $13.50, not prepaid.

NICO-FUME TOBACCO PAPER. To use, "hang sheet from hole punched in one end, blow out flame, and let sheet burn." Eight to ten sheets for the ordinary greenhouse (100 feet long by 20 feet wide) will usually furnish a strong fumigation against green fly, etc. 24-sheet can, $1.25, 144 sheets, $5.50, 288 sheets, $10, all postpaid.

HALL'S NICOTINE FUMIGATOR. A simple and effective preparation for fumigating greenhouses for plant-lice and thrips. A real smudge or punk. Easy to use. A 2½-lb. can is enough for about 200,000 cubic feet of house. Lb. $1.25, 2½ lbs. $2.50, 10 lbs. $8.50, not prepaid.

***HALL'S FREE NICOTINE.** (40 per cent guaranteed.) For fumigating greenhouses. Oz. 35 cts., ½lb. $1.40, 2 lbs. $4.25, 8 lbs. $15, not prepaid.

***HALL'S NICOTINE SULPHATE.** (40 per cent guaranteed.) For outdoor spraying. ½lb. $1.25, 2 lbs. $3.50, 10 lbs. $13.50, not prepaid.

TOBACCO DUST. 10 lbs. 65 cts., 50 lbs. $3, 100 lbs. $5.75, not prepaid.

TOBACCO STEMS. 50 lbs. 90 cts., 100 lbs. $1.65, 500 lbs. $7.50, 1,000 lbs. $14, ton $26, not prepaid.

***SCALECIDE.** San José scale and canker remedy. Dilute 1 gallon Scalecide in 15 gallons water. Use in the fall after leaves are off the trees, and early in the spring before the buds start. Qt. 60 cts., gal. $1.40, 5 gals. $6.25, 10 gals. $10.60, 30 gals. $26, 50 gals. $38, not prepaid.

PARADICHLORBENZENE ("Para" for short). For killing the peach tree borer. Not recommended for use on trees younger than six years. One pound will treat sixteen trees. Full directions on each package. Lb. 55 cts., 5 lbs. $2.25, 10 lbs. $3.80, not prepaid. Write for price in larger quantity.

GRAFTING WAX. ¼lb. 15 cts., ½lb. 25 cts., lb. 40 cts., not prepaid.

Fertilizer, Plant Foods, Etc.

Analysis of any of the Fertilizers furnished upon request

Special prices by the carload. All prices F. O. B. Columbus, and subject to market changes

ARMOUR'S BONE MEAL. 5 lbs. 30 cts., 10 lbs. 45 cts., 25 lbs. 90 cts., 50 lbs. $1.75, 100 lbs. $3.35, bag (125 lbs.) $4, 500 lbs. $15, 1,000 lbs. $28, ton $52.

ARMOUR'S 2-10-4. 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. $1, 50 lbs. $1.70, 100 lbs. $3.20, bag (125 lbs.) $3.75, 500 lbs. $14, 1,000 lbs. $26, ton $49.

ARMOUR'S 2-12-2. 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. $1, 50 lbs. $1.70, 100 lbs. $3.20, bag (125 lbs.) $3.75, 500 lbs. $14, 1,000 lbs. $26, ton $48.

ARMOUR'S 16 per cent ACID PHOSPHATE. 5 lbs. 25 cts., 10 lbs. 35 cts., 25 lbs. 75 cts., 50 lbs. $1.30, 100 lbs. $2.50, bag (125 lbs.) $3, 500 lbs. $11.50, 1,000 lbs. $20, ton $36.50.

SHEEP MANURE (Pulverized). 5 lbs. 40 cts., 10 lbs. 65 cts., 25 lbs. $1, 50 lbs. $1.75, 100 lbs. $3, 500 lbs. $12.50, 1,000 lbs. $23, ton $43.

NITRATE OF SODA. 5 lbs. 40 cts., 10 lbs. 75 cts., 25 lbs. $1.45, 50 lbs. $2.75, 100 lbs. $5, 500 lbs. $23, 1,000 lbs. $42, ton $80.

LIVINGSTON'S "TRUE BLUE" PLANT FOOD. Flowering plants in pots, garden vases, window-boxes, etc., need food of an organic nature, that can be absorbed by the plant. "True Blue" Plant Food is especially prepared by us, after long experience in gardening and plant-growing, and we believe it to be the best balanced plant food on the market today. It supplies just what the plant needs and will promote the growth of rich, healthy foliage and high-colored blooms. It is nearly odorless and entirely sanitary. It is valuable also for all outdoor plants and lawns. Full directions on each package. 10-oz. pkg. 25 cts., 2-lb. pkg. 50 cts., not prepaid. Ask for price in larger quantity.

Lawn, Orchard and Garden Tools

Prices subject to change

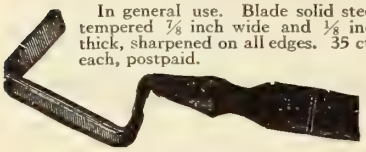
Excelsior Weeder

Very useful for weeding seed-beds, stirring soil in hotbeds, coldframes, etc. 20 cts., postpaid.

Lang's Weeder

25 cts. each, $2 per doz., postpaid.

Hazeltine Hand Weeder



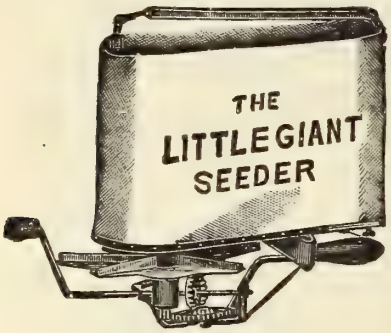
In general use. Blade solid steel, tempered ⅞ inch wide and ⅛ inch thick, sharpened on all edges. 35 cts. each, postpaid.

Raffia

We handle only the best grade of Raffia. Inferior twisted stock is very annoying and much more expensive in the end. Lb. 30 cts., 10 lbs. at 25 cts. per lb., 25 lbs. at 23 cts. per lb., 100 lbs. at 20 cts., per lb.

Cahoon Hand Broadcast Seeder

For sowing any grain or grass seed. Sows at a common walking gait 4 to 8 acres per hour. A saving of labor and one-third of the seed is effected by this machine. Reliable in all respects. Weight, 9 pounds. $6.25, not prepaid.



Little Giant Seeder

Strongest, Lightest and Easiest Running

Best and cheapest crank Seeder made considering the quality of work done and durability. Will not get out of order nor be affected by damp weather. Distributes all kinds of fertilizer, land plaster, ashes, and seeds. We have sold it for years with good satisfaction. Weight, 6 pounds. No. 3, $2, not prepaid.

Asparagus Knife

No tool equals it for removing dandelions, plantain, dock, etc., from lawns. Drop forged cutlery steel. 40 cts., postpaid.

Perfect Clinching Hose Mender

Easy to apply, no band required for ¾- or ⅞-inch hose. We use the Clincher and consider it the best obtainable. Simply pound down the Clincher and you have a neat and permanent mend. 40c. for 3, $1.50 per doz., postpaid.

Perfect Clinching Hose Couplers

Same principle as the mender. Made for ⅞- and ¾-inch hose. Be sure to state size wanted. 35 cts. each, $3.50 per doz., postpaid.

Swivel Blade Pruning Saw

Atkins best-grade Saws. The blade can be set at any angle. No. 10, as illustrated, $2.50, postpaid; No. 11, with triangular frame, $2, ppd.

Swivel Pruning Saw Blades

For use in Nos. 10 and 11 saws. Prices ppd.
Blade for 16-in. saw, 30 cts. each, $3 per doz.
Blade for 18-in. saw, 35c. each, $3.50 per doz.
Blade for 20-in. saw, 40 cts. each, $4 per doz.

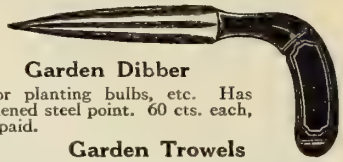
Pruning Saw, Double Edge

One coarse and one fine, 20-inch blade. $1.25, postpaid.

Wiss guaranteed, 9-inch, $3.50; 10-inch, $4, postpaid. Extra blades $1 each.

Peerless Glazing Points

Prevents glass from sliding. Made of galvanized steel wire. No. 2 for single-strength glass; No. 2½ for double-strength. 65 cts. per 1,000, postpaid.

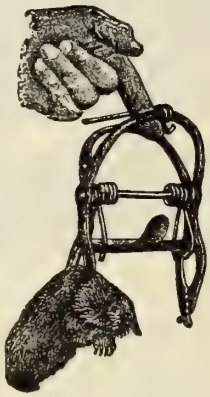


Garden Dibber

For planting bulbs, etc. Has hardened steel point. 60 cts. each, postpaid.

Garden Trowels

Ordinary. 5-in. 15 cts., 6-in. 20 cts., postpaid.
Pressed Steel. 6-in. 45 cts., postpaid.
Forged Steel. 5-in. 60 cts., 7-in. 75 cts., postpaid. Be sure to state size wanted.



"Out of Sight" Mole Trap

Claimed to be the best Mole Trap ever offered, and only has to be tried to be appreciated. **Can be used in hotbeds under sash.** The secret of catching moles is a good trap and a knowledge of their habits. Full directions are sent with each Trap. $1.50, postpaid.

Little Giant Self-Setting Mole Trap

Simple, sure, and safe. The spears are made of spring steel; remainder of trap is of steel and heavily tinned, making it very attractive and durable. Directions for setting come with the trap. $1.25, postpaid.

Hedge Shears

Best steel and just the thing for trimming privet hedge, 6-in. $1.25 (weight, 4 lbs.), 9-in. $2 (weight, 5 lbs.), not prepaid.

Clipper Grain and Seed Cleaner

No. 1, for general use, has 12 sieves (10 zinc); cleans grain and seeds of all kinds. $35 each, not prepaid.

Send for Special Catalogue of Clipper Mills

Planet Jr. Tools

If interested in this excellent line of garden tools, write for special catalogue. It's free.

Painted Pot Labels

Sizes	Not prepaid	1,000	Weight
4 x ⅝		$1 55	4 lbs.
4½ x ⅝		1 85	5 lbs.
5 x ⅝		2 05	5 lbs.
6 x ⅝		2 50	6 lbs.
10 x ⅝		6 00	11 lbs.
12 x ⅝		7 30	15 lbs.
8 x ⅞		7 40	14 lbs.
10 x ⅞		9 60	18 lbs.
12 x 1⅛	per 100, $1 25		3 lbs.

Copper Wired Tree Labels

Size, 3½ x ⅝ inch, 50 cts. per 100, $1.50 for 500, $2.45 per 1,000. Weight, 4 lbs. per 1,000.

Cane Stakes

Good, strong, natural canes. From southern cane-brakes, running 6 feet in length. $1.40 for 50, $2.40 per 100, $5.75 per bundle of 250, $20 per 1,000, not prepaid.

Waters Pattern Tree Pruner

Will cut green limbs up to 1 inch in diameter. Cutting head, handle, and handle shank securely attached so will not work loose. Best steel blade and spring. 8-ft. $1.75, 10-ft. $2, 12-ft. $2.25, not prepaid.

Hotbed Sash

Best Cypress. 3⅓ x 6 ft., unglazed for four rows 8 x 10 glass. $2.40 each, not prepaid. Write for prices in larger quantity.

Our sales on hotbed sashes are increasing each season, so satisfactory do our customers find them

BINK'S SPRAYER No. 21

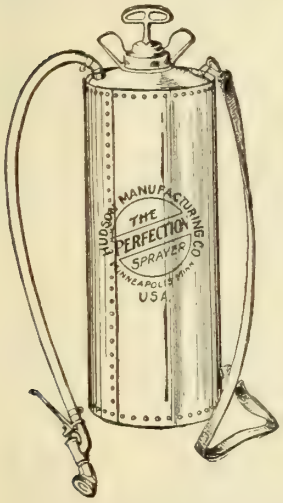
The Best Sprayer in Its Class

A strong, compact, well-built, portable Sprayer for use in the garden, lawn, orchard, and greenhouse. Easily operated by man or child. Very satisfactory for both spraying and whitewashing. It saves time, labor and material. Large steel wheels makes easy moving over rough or soft ground. Working parts bronze and brass—holds 12 gallons. Complete as illustrated with 10 feet high pressure hose, spraypipe, stop cock, mechanical agitator and nozzle, not prepaid, $20.

IMPROVED AUTO-SPRAY No. 1

One of the oldest and most reliable compressed air Sprayers on the market. Two pumpings will empty the tank. The Auto-Pop Non-Clog Nozzle gives a large volume of fine spray by simply closing the hand on the lever—releasing the hand stops it immediately. Highly recommended for spraying potatoes, vegetables and shrubbery.

Holds 3 gallons; the new anti-clogging device prevents clogging; has a powerful all-brass air pump with patented clamp top. Comes complete as illustrated, with shoulder strap, hose, and auto-pop nozzle. Shipping weight, 11 lbs. No. 1B. Brass Tank, $9.50; No. 1D. Galvanized Tank, $6.50. Not prepaid.



THE "PERFECTION" SPRAYER

Built like a steam boiler. The barrel is 7½ inches in diameter, 20 inches high. The pump is 1¾-inch seamless brass tubing. The valves are METAL. Screw top. The hose is 5-ply. The nozzle is of the Automatic type. Capacity of Sprayer, 3¾ gallons. Weight 9½ pounds. All Sprayers tested to 60 pounds before leaving factory. This Sprayer handles whitewash, water paints, Bordeaux mixtures, etc., perfectly. Shipping weight, 12 lbs. Brass Tank, $9.50. Galvanized Tank, $6.50. Not prepaid.

HUDSON JUNIOR SPRAYER

Will do any work the Perfection can. Holds 2½ gallons and has clamp instead of screw top. Substantially made and will give entire satisfaction. Shipping weight, 9 pounds. Brass Tank, $7.50 each. Galvanized Tank, $5 each. Not prepaid.

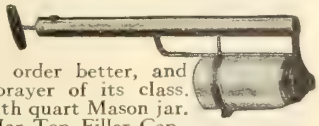
ELEPHANT SPRAY HOSE. Ordinary garden hose is not suitable for sprayers. A spray hose must be strong to withstand pressure and made of material to withstand the action of chemicals used in the spraying solutions. We can recommend the Elephant Brand very highly. ⅜-inch, 5-ply, 20 cts. per foot; ½-inch, 7-ply, 25 cts. per foot, not prepaid. Shipping weight, about 4 ounces per foot.

BRASS EXTENSION RODS. Two-foot brass rods with ¼-inch pipe connections, especially made for Auto-Spray No. 1 and Perfection Sprayers. 50 cts. each, not postpaid.

FEENY DUST GUN, MODEL B

One of the best dusters we have ever sold. Easy and clean to use. The dust cloud starts the instant you push the handle forward, and it may be regulated from a mere "haze" to a cloud of large size and force by the stroke you give it. This gun is ideal for applying all powder insecticides and fungicides on gardens, flowers, fruit, etc., also for applying all kinds of powdered fly, rat and roach exterminators. $1.25 each, ppd

GLASS JAR SPRAYER



Works easier, stays in order better, and lasts longer than any sprayer of its class. Length, 22 inches. Use with quart Mason jar. No. 101, Tin Tube, Zinc Jar Top Filler Cap, $1.25 each, postpaid. No. 102, Tin Tube, Brass Jar Top Filler Cap, $1.50 each, postpaid.

ECLIPSE BARREL PUMPS

If interested in a Pump of this size we will be pleased to send detailed description. Made in three sizes.

MYERS LITTLE GIANT BUCKET PUMP

This Pump has a place between the hand atomizer and barrel pump. Being made of brass with brass ball valves, will not rust or corrode. Has malleable iron foot-rest, jet agitator, improved brass air-chamber and two nozzles for coarse and fine spraying. $4.25 each. 4-foot extension rod, 50 cts., not prepaid. Weight, 7 pounds.

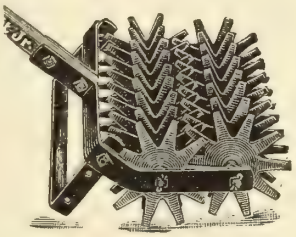
IMPROVED VERMOREL NOZZLE No. 136

A good general-purpose Nozzle and best for whitewashing. Pushing the plunger cleans any obstruction out of discharge opening. Made of brass. Furnished with five diaphragms for coarse or fine work. 85c., ppd.

NON-CLOG JR. NOZZLE

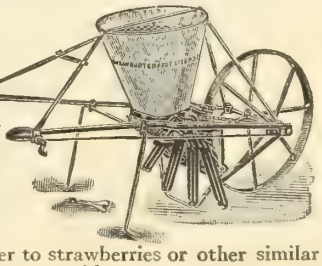
This is the popular disc type. A removable screen prevents clogging. No horns or hooks—nothing to catch or clog. The most up-to-date and satisfactory nozzle on the market. As illustrated or straight, 85 cts. each, postpaid.

PLANET JR. STAR PULVERIZER, LEVELER AND WEEDER



Greatest tool ever devised for preparing the seed-bed. It smooths and refines the soil, putting it in the best possible condition for seeding. More thorough and rapid than the ordinary garden rake. Works equally well forward or backward. Width 13½ inches. As a cultivator it is great for destroying weeds, breaking the crust and leaving a fine mulch. More than one customer has reported "would not do without it for any price." One of the latest developments of the Planet Jr. line. $6.50, not prepaid.

McWHORTER FERTILIZER DISTRIBUTOR



For distributing all commercial fertilizer. It distributes the fertilizer in a furrow, beside the growing crop, as a topdresser or as a broadcaster to any extent up to a uniform spread of over 2 feet, and in any quantity from a few pounds to 40 or more pounds to the 100 yards of row. Especially adapted to applying fertilizer to strawberries or other similar planted crops. $21 each, not prepaid.

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J. Horace McFarland Company, Horticultural Printers, Harrisburg, Pa.

	Pounds	Ounces	Packets	NAMES OF VARIETIES WANTED Place One Variety Only to a Line	Do not write in this column	PRICES	
						Dollars	Cents

PLEASE USE THIS ORDER SHEET

THE LIVINGSTON SEED CO., Columbus, Ohio

PLEASE WRITE YOUR NAME AND ADDRESS PLAINLY AND IN FULL IN THE BLANKS BELOW
EXTRA ORDER SHEETS AND RETURN ENVELOPES WILL BE SENT YOU ON APPLICATION

Date _____ *1923* *Ship by* { Mail / Express / Traction / Freight

Name _____

Post Office _____

R. F. D. No. _____, *Box* _____, *State* _____

Street No. _____

Ship to (Station) _____

By (Express or R. R. Co.) _____

PLEASE WRITE NAME AND ADDRESS VERY PLAINLY IN THE ABOVE

THE AMOUNT ENCLOSED

Postal Order $ _____

Check - - _____

Bank Draft - _____

Stamps - - _____

Cash - - - _____

Total _____

Are you a Florist? _____

Are you a Market Gardener? _____

DO NOT WRITE HERE

No. _____

Date received _____

Gathered by _____

Checked by _____

Wrapped by _____

Date sent _____ *P* _____

THE LIVINGSTON SEED COMPANY give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop.

	Pounds	Ounces	Packets	NAMES OF VARIETIES WANTED Place One Variety Only to a Line	Do not write in this column	PRICES Dollars	Cents

Our Bargain Collections of Flower Seed

Livingston's Rainbow Collection of Choice Annual Flowers — 50c

Asters, Mixed
Bachelor's Buttons, Mixed
Candytuft, Mixed
Cosmos, Mixed
Dianthus, Mixed
Marigold, Mixed
Mignonette, Sweet
Nasturtium, Mixed
Pansy, Mixed
Petunia, Mixed
Phlox, Mixed
Poppies, Mixed
Portulaca, Mixed
Scabiosa, Mixed
Sweet Alyssum
Antirrhinum, Mixed
Sweet Peas, Mixed
Zinnia, Mixed

If purchased separately this collection would cost $1.

Great Collection of Superb Spencer Sweet Peas — 25c

Astha Ohn
Royal Purple
Othello
Helen Lewis
White
King Edward
Countess

If purchased separately this collection would cost 70 cts.

Bright Array Collection — 25c

Alyssum, Sweet
Aster, Mixed
Candytuft, Mixed
Nasturtium, Mixed
Pansy, Mixed
Phlox, Mixed
Sweet Peas, Mixed
Zinnia, Mixed

If purchased separately this collection would cost 50 cts.

Livingston's Exhibition Aster Collection — 50c

Semple's, Mixed
Ostrich Plume, Mixed
Crego, Mixed
Sensation
Peony-flowered, Mixed
Livingston's Superb, Mixed
Vick's Branching, Mixed

If purchased separately this collection would cost 70 cts.

Livingston's Collection Perennial Flower Seeds — 50c

Aquilegia cærulea
Campanula, Prize Mixed
Coreopsis lanceolata
Daisy, Shasta
Digitalis monstrosa
Pinks, Hardy Garden
Poppy, Large Oriental
Sweet William, Mixed

If purchased separately this collection would cost 75 cts.

Wild Flower Garden, or Children's Garden

Especially adapted for producing a display in large borders, or sowing along woodland walks, railroad embankments, for hiding an unsightly fence, stump, etc. Nothing in the way of flowers delights children more than this **Wild Garden,** chiefly because they can be allowed to pick their own bouquets without stint. Sow in drills 2 feet apart, or even broadcast. Cover lightly and keep the soil from drying out until started. **2740 Our Extra-Choice Mixture—Large pkt. 10 cts., ½oz. 15 cts., oz. 25 cts.** Ask for special price by the pound.

Have You a Hardy Garden?

So much interest is being displayed in perennial flowers at the present time that a few words here regarding them may not be amiss. Our list contains many of the most popular sorts. Perennials are not difficult to grow, but are slower in starting than annuals, so that care should be taken that the soil does not dry out. The ideal place to start them is in a coldframe, where the soil can be kept moist, and where they can be protected from heavy rains. If the seed is sown early, some varieties will bloom the first year, but it is not until the second year that you get the best results, but for several years they will increase in beauty and value, affording color in the garden and cut-flowers before the annuals come into bloom. Perennials are so much cheaper to grow from seed than to buy the plants. **See our 50-cent collection of Perennial Flower Seeds above.**

The Livingston Seed Co.

Columbus, Ohio

Zinnia
Dahlia-Flowered, Mixed
Packet 15 cts.